CFTRI-MYSORE
3604
Handbook of tox

1. lethal doses
2. lethal compounds
3. laboratory animals.
4. gases ⑤ vapors. ⑥ fumes
7. lethal concentrations.

TLMS

WADC TECHNICAL REPORT 55-16

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HANDBOOK
OF
TOXICOLOGY

Volume I

EDITED BY

WILLIAM S. SPECTOR

Prepared under the Direction of the Committee
on the Handbook of Biological Data

Division of Biology and Agriculture
The National Academy of Sciences
The National Research Council

April 1955

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Foreword

These tables of data on Toxicology, prepared under Aero Medical Laboratory Contract No. AF 33(616)-2873 between the National Academy of Sciences and the Wright Air Development Center, comprise Volume I of the Handbook of Toxicology. Under the same contract, additional volumes are scheduled for publication in 1956. The contract is administered under direction of the Aero Medical Laboratory, Directorate of Research, Wright Air Development Center, Dr. George Kitzes acting as project director, Project No. 7159, "Health Hazards of Air Force Materials".

Data for tables in all volumes were contributed by experts in various areas of the fields represented. The tables were assembled by the Handbook Staff and reviewed by specialists in the subjects covered. The work was carried out under the direction of the Committee on the Handbook of Biological Data, operating under the Division of Biology and Agriculture of the National Academy of Sciences-National Research Council.

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Acknowledgments

Acknowledgment is made, on behalf of the Committee, to the Wright Air Development Center, United States Air Force, for the foresight and scientific judgment inherent in the commission to prepare this Handbook; to Dr. W. F. von Oettingen of the National Institutes of Health, who devoted immeasurable time and energy to the compilation of the data appearing in this volume and who served as a constant guide and advisor in its preparation; to the National Research Council Committee on Toxicology, under the chairmanship of Dr. Harold C. Hodge, for encouragement and advice in planning the contents of the Handbook; to Dr. William O. Negherbon of the Handbook Staff whose tireless and patient effort in organizing and tabulating the data was a principal factor in the fruition of the project; to Mrs. Dorothy Dittmer and Miss Dorsey Parker for their careful proofreading; to Mrs. Nellie Brown and Mr. John Sobrofski for their excellent performance in drafting and typing the manuscript; to the biologists and toxicologists who gave generously of their time to serve as contributors and reviewers; and finally to all the Handbook staff members who were called upon to lend a hand in the multitude of tasks inherent in preparation of the book.

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Abstract

This report presents, in tabular form, data on acute toxicities of more than 2,000 substances for several species of commonly used laboratory animals. The values have been culled from the literature over a period of years, and wherever possible have recently been rechecked with original publications. To enhance reliability, and consequently usefulness, of the tables, the data have been exhaustively reviewed by twenty-eight experts in the field.

The tables in this unusually complete collection of toxicity values are unique in their treatment of the well-known phenomenon of toxicological variability. In addition to indicating a single value on the toxicity of each substance for a given animal, the table presents information concerning the lethal dosage range, vehicle, route of administration, and time of death, whenever such information was available in the references. The literature source cited for each line of data is presented on that line to facilitate rapid location of additional material for which space was not available in the book.

Supplementing the quantitative data are (1) an easily comprehensible and directly useable cross index of chemical compounds, including synonyms; (2) a complete list of abbreviations with full titles of references cited in the volume; and (3) a compilation of all symbols, with definitions therefor, used in the text.

A lucid introduction explains some of the problems encountered in compiling toxicity values and the reasons for such wide variations in those values even within a single species. The introduction emphasizes that this book is intended to be used as a "yardstick" rather than as a collection of explicit and definitive values.

Publication Review

This report has been reviewed and is approved.

FOR THE COMMANDER:

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Contents

Volume I

lethal compounds

Subject	Page
Abstract	iii
Contributors and Reviewers	iv
Introduction	1
Abbreviations	3
Table I. Lethal Doses of Solid and Liquid Compounds: Laboratory Animals	5
Table II. Lethal Concentrations of Gases, Vapors, and Fumes in Respired Air: Laboratory Animals	321
Bibliography Abbreviations	355
Index	365

Future Volumes

(Tentative Publication Date, 1956)

It is expected that subsequent volumes will include, but not necessarily be limited to, the following tables:

Table III.	Maximum Allowable Concentration ("MAC") of Gases, Vapors, Fumes, and Dusts in Respired Air: Man
Table IV.	Maximum Allowable Concentrations of Toxic Substances in Drinking Water: Man and Various Livestock and Wildlife
Table V.	Lethal Concentrations in Water of Salts and Industrial Wastes: Fish and Invertebrates
Table VI.	Permissible Levels of Toxic Substances in Foods
Table VII.	Minimum Lethal Concentrations of Pesticides: Various Representative Livestock, Wildlife, and Insects
Table VIII.	Chronic Toxicity of Various Substances: Man, Laboratory and Domestic Animals
Table IX.	Skin Toxicity of Various Substances: Man and Laboratory Animals
Table X.	Minimum Lethal Doses of Solid and Liquid Compounds: Man
Table XI.	Toxic Plants
Table XII.	Venomous and Poisonous Animals A. Marine Animals B. Terrestrial and Fresh-Water Reptiles and Amphibia C. Terrestrial and Fresh-Water Arthropods
Table XIII.	Radiation Toxicology
Table XIV.	Physical, Chemical, and Pharmacological Properties of Various Representative Antimalarial and Antiamebic Drugs
Table XV.	Physical, Chemical, and Pharmacological Properties of Antibiotics
Table XVI.	Physical, Chemical, and Pharmacological Properties of Alkaloids
Table XVII.	Physical, Chemical, and Pharmacological Properties of Pesticides A. Rodenticides B. Insecticides C. Fungicides D. Parasiticides E. Herbicides
Table XVIII.	Carcinogenic Agents
Table XIX.	Antidotes
Table XX.	Histological and Physiological Effects of Toxic Substances on Cells, Tissues, and Organs
Table XXI.	Metabolites of Toxic Compounds

Introduction

This volume presents tabular data on the acute toxicity of various substances for several species of commonly used laboratory animals, as determined by oral or parenteral administration, or inhalation, of fatal doses.* The guiding principle in selection of material has been that it be of basic importance and from reliable literature sources. Some data of value have had to be omitted either because they were not on hand for publication or because time has not permitted the necessary preparatory steps for printing. The fact that certain data have been compiled and are already in print, or available in other form, has not been regarded as a reason for excluding them from the Handbook. Every page of this volume has been examined for accuracy by the contributors of the data and by a panel of review experts.

In tabulating this information the chief objective has been clarity of presentation. To maintain this clarity, only the most fundamental data appear in the body of the table. Footnotes have been used to supply additional facts in many instances so that simplification of the table structure could be achieved. Other material, pertinent to the values within the table but prohibited by the limitations of space, are to be found in the literature, and for this reason the reference for each line of data is presented on that line. Because of space limitations, only the principal author (initials omitted) is given for each reference. In several cases the values in the table have been calculated from the values in the references, e. g., from cc to mg/kg or from ions to salts. Chemical nomenclature, as it appears in the tables, has been kept exactly as contributed and is identical with that in the literature reference. Thus it may be that for some compounds proprietary names will be given and for others, official designations. However, a cross index at the back of the book contains a multitude of synonyms to facilitate location of any compound within the book.

It must be emphasized that the values presented in these tables are by no means absolute and should be interpreted only as a "yardstick" of toxicity for the compounds listed. Again, the literature reference, in most cases, will reveal the number of determinations, the number of animals in each determination, and conditions under which determinations were made. Some of the conditions which influence toxicity of any given compound are as follows:

a. Dose: Generally, the larger the dose the more rapid the action.
b. Rate of absorption: The faster this rate, the quicker the action of the drug. With oral administration the lethal dose may be considerably influenced by the condition of the gastrointestinal tract, especially by the amount of food and fecal material in the stomach and intestine.
c. Route of administration: For the most part, toxicity is greatest by the route that carries the toxic substance to the bloodstream most rapidly. In descending order of speed of action, routes for most drugs are: intravenous, inhalation, intraperitoneal, intramuscular, subcutaneous, oral, and cutaneous. Food in the alimentary canal may delay or decrease toxic action; digestive enzymes may destroy or alter the compounds with resultant changes in the toxicity thereof. Certain compounds are harmless if taken orally and lethal when introduced parenterally; in many cases the converse is true. The toxicity of the drug may also vary considerably with the form in which it is administered, i. e., solid, in suspension, or in solution. In the last instance the toxicity again may be influenced by the solvent and the concentration.
d. Site of injection: With subcutaneous injections, toxicity may be affected by the density of the subcutaneous tissue. With intravenous administration whether the injection is made into the femoral or jugular vein may be of importance, but in any case the rate of injection, or the amount of toxic material injected per minute, will considerably influence the value of the toxic dose.
e. Other influences: Disease, environmental temperature, habit and tolerance, idiosyncrasy, diet, season of the year (especially with hibernating animals) may all affect the toxicity of a drug. The toxicity of chemicals will also vary with the species of animals used, and sometimes with different strains of the same species. Within the same strain the toxicity may differ with age, weight, sex, and the general conditions of the animals.

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* Volume II of the Handbook of Toxicology is scheduled to appear early in 1956.

With all of the above variables exerting their individual or collective influences, it is important that the toxicity be delineated with reference to the time of death or the period of time for which fatalities are counted.

Unfortunately, only in rare instances are all these factors considered and specified in the literature on toxicity determinations. This renders the duplication of such data by different investigators extremely difficult if not impossible. At the present time, attempts are being made to put toxicity data on a quantitative basis. The older literature often refers simply to "lethal doses" (LD) or "minimal lethal doses" (MLD), meaning doses which will be fatal or the smallest dose which will kill a limited number of animals. By using a larger number of animals of comparative weight and sex for each level tested, attempts are now being made to determine more precisely the dose which will kill 50 percent (LD_{50}). These values can be further certified by the application of various statistical methods, by stating the degree of deviation of the single values from the mean or the slope of the toxicity curve.

In each instance where a numerical value is given in this volume, that value may be considered as the mean (or adjusted mean) of a group of measured values taken from one literature source and usually determined by one investigator. Wherever given in the reference, each such value is followed by an estimate of the lower and upper limits of the 95% range, a direct representation of the ordinary range of variation. Further calculations from values in these tables should not be undertaken without information on comparability and number of measurements. As mentioned previously in this introduction, space does not permit the inclusion of such collateral information, but the bibliographic references will lead to the original data where it should be found.

The 95% range may be estimated in several ways, the method depending upon the information available. The types of estimate most widely used are listed below. Range data as commonly encountered, including estimates of the 95% range, represent a mixture of the variability existing between individuals and the variability existing within individuals.

a. By the method of greatest accuracy, the 95% range is obtained by fitting a recognized type of frequency curve to a group of measured values and excluding the extreme 2.5% of area under the curve at each end. Estimate is made by this procedure only when the group of values is relatively large.
b. By a less accurate method, the 95% range is estimated by a simple statistical calculation, assuming a normal distribution and using the standard deviation. This estimate is used when the group of values is too small for curve fitting, as is usually the case.
c. A third and still less accurate procedure for estimate of the 95% range is to take as range limits the highest value and lowest value of the reported sample group of measurements. It underestimates the 95% range for small samples (3 or 4 values) and overestimates for larger sample sizes, but may be used in preference to the preceding method when the sample shows convincing evidence that the variable is asymmetrical in distribution.
d. The upper and lower limits of the ordinary range of variation, as estimated by an investigator experienced in measuring the quantity in question and based solely on general experience, constitute still another estimate of the 95% range. The trustworthiness of limits so placed should not be underestimated.

Ranges appearing in this volume may fall into any one of the four estimates listed. In many instances range data were not available.

The data in each table are, in the judgment of the contributors and reviewers, as authentic as can be procured under the conditions as they exist. It is recognized, however, that all data, and particularly data in the field of acute toxicity, are subject to continuing revision as investigators standardize techniques and make more measurements. The user of the volume is warned against attributing significance to small differences from species to species. He is invited to submit any values or ranges he feels should be given consideration, and is particularly invited to add to the coverage of the tables.

Abbreviations

- DOSE† -

LD = Lethal Dose	The amount (dose) which kills an animal.
MLD = Minimum lethal dose	The smallest of several doses which kills one of a group of test animals.
LD_{50}	The amount (dose) which kills 50% of a group of test animals (usually 10 or more).
LD_{100}	The amount (dose) which kills 100% of a group of test animals (usually 10 or more).

† - When, in the symbols listed, D is replaced by C, substitute the word "concentration" for "dose" (e. g., LD = Lethal Dose; LC = Lethal Concentration).

- ROUTE OF ADMINISTRATION -

ct = cutaneous
ic = intracutaneous
ici = intracisternal
ice = intracerebral
il = intralumbar
im = intramuscular
io = intraocular
ip = intraperitoneal
iv = intravenous
or = oral
rt = rectal
sc = subcutaneous

- VEHICLE -

alc = alcohol
cot oil = cotton oil
Dil = diluted
Eth gly = ethylene glycol
G acacia = gum acacia
G arabic = gum arabic
G traga = gum tragacanth
cello = cellosolve
det = detergent
N saline = normal saline
Na salt = sodium salt
Par oil = paraffin oil
pet oil = petroleum oil
Prop gly = propylene glycol
sal = saline
Ses oil = sesame oil

Veg oil = vegetable oil

- MISCELLANEOUS -

* = circa
cont = continuous
da = day(s)
hr = hours(s)
min = minute(s)
mo = month(s)
sec. = secondary
Sev = several
tert. = tertiary
wk = week(s)

TOXICITY CLASSES

The toxicological data presented in this handbook are the result of extensive tests on laboratory animals. Frequently, toxicologists, industrial hygienists, industrial physicians, etc., are asked to translate these data into terminology that will readily describe the hazards associated with their use. Consequently, classes have been established to define the toxicity of a chemical material, in common terms, with reference to data obtained by specified animal tests. The following tabulation of toxicity classes is useful only for those data which are applicable.

COMBINED TABULATION OF TOXICITY CLASSES*

		Various Routes of Administration			
Toxicity Rating	Commonly Used Term	LD_{50} Single Oral** Dose Rats	Inhalation 4 hr Vapor Exposure Mortality 2/6-4/6 Rats	LD_{50} Skin Rabbits	Probable Lethal Dose for Man
1	Extremely toxic	1 mg or less/kg	<10 ppm	5 mg or less/kg	A taste, 1 grain
2	Highly toxic	1-50 mg	10-100	5-43 mg	1 teaspoon 4 cc
3	Moderately toxic	50-500 mg	100-1000	44-340 mg	1 ounce 30 gm
4	Slightly toxic	0.5-5 g	1000-10,000	.35-2.81 g/kg	1 pint 250 gm
5	Practically non-toxic	5-15 g	10,000-100,000	2.82-22.59 g/kg	1 quart
6	Relatively harmless	15 g and more	>100,000	22.6 or more g/kg	>1 quart

---

* Hodge, H. C., and Sterner, J. H., American Industrial Hygiene Association Quarterly, 10:4, 93, Dec 1943.

** Standards for intravenous LD_{50} for rats and rabbits may be obtained approximately by dividing the oral toxicity standards for rats by 10.

TABLE I

LETHAL DOSES OF SOLID AND LIQUID COMPOUNDS: LABORATORY ANIMALS

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1	Abobioside	Cat	iv	LD_{50}	0.6992
2	Abomonoside	Cat	iv	LD_{50}	0.6790
3	Acetal	Rat	or	LD_{50}	4570
		Rabbit	ct	LD_{50}	8210
4	Acetaldehyde	Frog	sc	LD	800
		Mouse	sc	LD_{50}	560
		Rat	or	LD_{50}	1930
		Rat	sc	LD_{50}	640
		Rat	ip	LD_{100}	500
		Rabbit	sc	LD*	1200
		Rabbit	iv	LD*	300
5	Acetamide	Frog	sc	LD*	200
		Rat	or	LD_{50}	30,400
		Dog	iv	LD	>5000
6	p-Acetaminobenzaldehydethiosemicarbazone	Mouse	or	LD	950
7	1-Acetaminocarbazole	Rat	or	LD_{50}	>3000
8	2-Acetaminocarbazole	Rat	or	LD_{50}	>5000
9	3-Acetaminocarbazole	Rat	or	LD_{50}	>6000
10	2-Acetaminodibenzofuran	Rat	or	LD_{50}	>5000
11	3-Acetaminodibenzothiophene	Rat	or	LD_{50}	1195
12	3-Acetamino-9-methylcarbazole	Rat	or	LD_{50}	3115
13	p-Acetaminophenol	Rabbit	iv	MLD	3700
14	1-Acetamino-5,6,7,8-tetrahydrocarbazole	Rat	or	LD_{50}	3865
15	3-Acetamino-5,6,7,8-tetrahydrocarbazole	Rat	or	LD_{50}	>6000
16	Acetanilide	Mouse	sc	LD	1300[1]
		Rat	or	LD_{50}	800[2]
		Guinea pig	or	MLD	200
		Rabbit	or	LD	1500-1600
		Rabbit	or	LD	900-1200
		Cat	or, iv	LD	250
		Cat	iv	LD	8.5-13.5
		Dog	or	LD	700
		Dog	iv	LD	175-300
		Dog	iv	LD*	300-1200
17	Acetarsone[3]	Rat	or	LD	>4500
		Rat	im	LD	>140
		Guinea pig	or	MLD	100
		Rabbit	or	MLD	100
	(continued on next page)	Rabbit	or	LD_{50}	150

/1/ As a 55% solution in alcohol. /2/ As a 2% suspension in H_2O. /3/ Toxicity of different

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
0.3732-1.1560	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1
0.4832-0.8365	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	2
4240-4920			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	3
			Ibid	
			Supniewski, J. Pharm. Exp. Ther. 30:429, 1927.	4
		24 hr	Skog, Acta pharm. tox. 6:299, 1950.	
1620-2240		14 hr	Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	
			Skog, Acta pharm. tox. 6:299, 1950.	
		10 min	Stotz, J. Biol. Chem. 152:41, 1944.	
		24 hr	Supniewski, J. Pharm. Exp. Ther. 30:429, 1927.	
		Instant	Ibid	
			Gibbs, Dubois' Arch. f. Physiol. Suppl. p259,1892.	5
28,300-32,600			Smyth, unpublished data, Mellon Inst.	
			Gibbs, Dubois' Arch. f. Physiol. Suppl. p259,1892.	
		2-5 da	Savini, C. rend. Soc. biol. 144:1310, 1950.	6
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	7
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	8
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	9
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	10
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	11
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	12
			Hinsberg, Arch. exp. Path. Pharm. 33:216, 1894.	13
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	14
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	15
	Alcohol		Hale, Hyg. Lab. Bull. 53, 1909.	16
	H_2O		Smith, J. Pharm. Exp. Ther. 54:159, 1935.	
			Lépine, Rev. de med. 306: 1887.	
	H_2O		Munch, J. Am. Pharm. Assoc. 30:91, 1941.	
	Alcohol		Ibid	
			Ibid	
			Ibid	
			Karczmar, Fed. Proc. 6:341, 1947.	
			Munch, J. Am. Pharm. Assoc. 30:91, 1941.	
			Gibbs, Dubois' Arch. f. Physiol. Suppl. p259,1892.	
			Nelson, J. Pharm. Exp. Ther. 63:122, 1938.	17
			Ibid	
			Leake, J. Am. Med. Assoc. 98:195, 1932.	
			Ibid	
125-175		8-13da	Anderson, Proc. Soc. Exp. Biol. Med. 27:267, 1930.	

brands may vary.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
17	Acetarsone[1] (concluded)	Rabbit	or	LD	1500
		Rabbit	iv	LD	120
		Cat	or	MLD	125-150
		Cat	or	LD_{50}	150
18	Acetic acid	Mouse	or	LD_{50}	4960
		Rat	or	LD_{50}	3310
		Rat	or	LD_{50}	3530
19	Acetic acid butyl ester	Rat	or	LD_{50}	14,130
		Rabbit	ct	LD_{50}	>20 cc
20	Acetic acid isopropyl ester	Rat	or	LD_{50}	6750
		Rabbit	ct	LD_{50}	>20 cc
21	Acetic anhydride	Rat	or	LD_{50}	1780
		Rabbit	ct	LD_{50}	4000
22	Acetone	Rat	or	LD_{50}	9750
		Rat	iv	LD	4750-6336
		Rabbit	or	LD	7920
		Rabbit	or	LD_{50}	5340
		Rabbit	iv	LD*	1584
23	Acetone cyanohydrin	Rat	ct	LD_{50}*	150
24	Acetonitrile[2]	Frog	sc	MLD	9100
		Mouse	sc	MLD	600
		Mouse	sc	MLD	700
		Rat	or	LD_{50}	3800
		Rat	sc	LD	500-3900
		Guinea pig	sc	LD	180-450
		Rabbit	ct	LD_{50}	5000
		Rabbit	sc	MLD	105
		Rabbit	sc	MLD	130
		Monkey	sc	LD	720-800
		Pigeon	im	LD	4000
25	Acetophenone	Rat	or	LD_{50}	900
		Rat	or	LD_{50}	3000
		Guinea pig	ct	LD_{50}	>20,000
		Rabbit	ct	LD_{50}	1760
26	Acetophenone-4-methoxy-3-methyl	Mouse	or	LD_{50}	3.6 cc
		Rat	or	LD_{50}	1.5 cc
27	o-Acetoxycinnamic acid	Rat	or	LD_{50}	3150
28	3-Acetoxy-6-dimethylamino-4, 4-diphenylheptane	Mouse	sc	LD_{50}	70
29	3-Acetoxy-6-dimethylamino-4, 4-diphenyl-5-methylhexane	Mouse	sc	LD_{50}	250
30	1-Acetoxy-3-dimethylamino-1, 1-diphenyl-2-methylpropane	Mouse	sc	LD_{50}	350
31	2-(Acetoxy-3, 5-dimethylphenyl)-trimethylammonium iodide	Mouse	or	LD_{50}	>1500
		Mouse	iv	LD_{50}	3.3±0.15

/1/ Toxicity of different brands may vary. /2/ Toxicity varies with diet of animal.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Raiziss, Arch. f. Derm. Syph. 25:799, 1932.	17
			Ibid	
			Leake, J. Am. Med. Assoc. 98:195, 1932.	
125-175		3-20 da	Anderson, Proc. Soc. Exp. Biol. Med. 27:267, 1930.	
4430-5550		36 hr	Woodard, J. Ind. Hyg. Tox. 23:78, 1941.	18
3000-3660		36 hr	Ibid	
3200-3880			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	
11,840-16,650			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	19
			Ibid	
6160-7380			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	20
			Ibid	
1480-2130			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	21
2700-5920			Smyth, unpublished data, Mellon Inst.	
9,070-10,480			Smyth, unpublished data, Mellon Inst.	22
			Walton, J. Pharm. Exp. Ther. 33:175, 1928.	
			Ibid	
4790-5950			Smyth, unpublished data, Mellon Inst.	
			Walton, J. Pharm. Exp. Ther. 33:175, 1928.	
			Sunderman, Arch. Ind. Hyg. Occ. Med. 8:371, 1953.	23
			Rentz, Arch. int. pharmacod. 36:455, 1929.	24
			Wiesbader, Endocrinology, 20:100, 1936.	
			Hunt, Arch. int. pharmacod. 12:447, 1904.	
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	
			Hunt, Heffter's Hdb. 1.1:812.	
			Ibid	
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	
			Rentz, Arch. int. pharmacod. 36:455, 1929.	
			Verbrugge, Arch. int. pharmacod. 5:161, 1899.	
			Hunt, Heffter's Hdb. 1.1:812.	
			Meurice, Arch. int. pharmacod. 7;11, 1900.	
800-1000			Smyth, unpublished data, Mellon Inst.	25
			Smyth, J. Ind. Hyg. Tox. 26:269, 1944.	
			Ibid	
1670-1850			Smyth, unpublished data, Mellon Inst.	
			Draize, J. Pharm. Exp. Ther. 93:76, 1948.	26
			Ibid	
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	27
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	28
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	29
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	30
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	31
			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
32	(3-Acetoxyphenyl)methyldiethylammonium iodide	Mouse	iv	LD_{50}	8.8±0.9
33	(3-Acetoxyphenyl)trimethylammonium bromide	Mouse	or	LD_{50}	560.0±56
		Mouse	sc	LD_{50}	137.0±41
		Mouse	iv	LD_{50}	12.0±2.2
34	(3-Acetoxyphenyl)trimethylammonium iodide	Mouse	or	LD_{50}	800
		Mouse	sc	LD_{50}	125±21
		Mouse	iv	LD_{50}	3.7±0.4
35	Acetylcholine	Frog	sc	LD	200-230
		Mouse	sc	LD	90-100
		Rabbit	iv	LD	0.15
		Cat	sc	LD	>10
36	Acetylcholine chloride	Mouse	or	LD_{50}	3000
		Mouse	sc	LD_{50}	170
		Mouse	iv	LD_{50}	20
		Rat	or	LD_{50}	2500
		Rat	sc	LD_{50}	250
		Rat	iv	LD_{50}	22
37	α-Acetyldigitoxin	Cat	iv	LD_{50}	0.5141
38	β-Acetyldigitoxin	Cat	iv	LD_{50}	0.4763
39	α-Acetyldigoxin	Cat	iv	LD_{50}	0.4662
40	β-Acetyldigoxin	Cat	iv	LD_{50}	0.4299
41	Acetylmethadol[1]	Mouse	sc	LD_{50}*	40
42	α-Acetyloxypropionyl-K-strophanthidin	Rabbit	iv	MLD	0.90
		Cat	iv	MLD	0.45
43	Acetylsalicylic acid	Frog	sc	LD	63(Na salt)
		Mouse	or	LD_{50}	1100
		Rat	or	LD_{50}	1500-2000[2]
		Rat	or	LD_{50}	1360[3]
		Rat	ip	LD_{50}	500[4]
		Rabbit	or	LD_{50}	1800[3]
		Rabbit	sc	MLD	700
		Dog	or	LD	2000-4000
44	Acetyl-K-strophanthidin	Rabbit	iv	MLD	0.55
		Cat	iv	MLD	0.15
45	Acetyltanghinin	Cat	iv	LD_{50}	0.9097
46	Acoin	Guinea pig	sc	LD	150
		Rabbit	sc	LD	150-160
47	Acolongifloroside E	Cat	iv	LD_{50}	0.2592

/1/All racemers: L, D, DL. /2/As a 20% suspension in H_2O. /3/In 5% gum tragacanth solution.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	32
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	33
			Ibid	
			Ibid	
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	34
			Ibid	
			Ibid	
		Sev da	Führner, Arch. exp. Path. Pharm. 166:455, 1932.	35
		8-10 min	Ibid	
			Hunt, Pub. Health Bull. 73, p18.	
			Trendelenburg, Heffter's Hdb. 1.1:600.	
		24 hr	Molitor, J. Pharm. Exp. Ther. 58:337, 1936.	36
		24 hr	Ibid	
		24 hr	Ibid	
		Few min	Ibid	
		24 hr	Ibid	
		Few min	Ibid	
0.4343-0.5758	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	37
0.3543-0.6298	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	38
0.3989-0.5521	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	39
0.2994-0.5313	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	40
			Keats, J. Pharm. Exp. Ther. 105:210, 1952.	41
			Neumann, Arch. exp. Path. Pharm. 185:328, 1937.	42
			Ibid	
			Dreser, Arch. ges. Physiol. 76:396, 1899.	43
			Hart, J. Pharm. Exp. Ther. 89:205, 1947.	
H_2O		1-7 da	Ichniowski, J. Am. Pharm. Assoc. 35:225, 1946.	
	G traga		Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	
	H_2O	24 hr	Ichniowski, J. Am. Pharm. Assoc. 35:225,1946.	
	G traga		Hart, J. Pharm. Exp. Ther. 89:205, 1947.	
			Ellinger, Heffter's Hdb. 1: 1005.	
	H_2O	8-38 hr	Davis, Fed. Proc. 4: 116, 1945.	
			Neumann, Arch. exp. Path. Pharm. 185:328, 1937.	44
			Ibid	
0.6060-1.159	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	45
			Flury, Abderhalden's Hdb. 4.7b: 1291.	46
			Ibid	
0.2114-0.2923	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	47

/4/ As 20% suspension in H_2O.

	Compound	Animal	Route	Dose	Dosage mg/kg Value
48	Aconitine (amorphous)	Frog	sc	MLD	0.44
		Rat	sc	MLD	0.175
		Rat	ip	MLD	0.1
49	Aconitine (crystalline)	Frog[1]	sc	LD	0.586
		Frog[2]	sc	LD	1.4
		Rat	ip	MLD	0.25
		Guinea pig	sc	LD	0.112-0.123
		Guinea pig	sc	MLD	0.05-0.07
		Rabbit	sc	LD	0.131
		Cat	sc	LD	0.4
		Dog	iv	LD	0.35
		Pigeon	sc	MLD	0.0655
50	Aconitine (Lapp)	Mouse	or	LD_{50}*	20
		Mouse	ip	LD_{50}	9.1±0.23
		Mouse	iv	LD_{50}	6.9±0.22
51	Acridan	Mouse♂	sc	LD_{50}	3.63±0.21
		Mouse♀	sc	LD_{50}	4.17±0.24
52	Acridine	Rat	or	LD_{50}	2140
53	Acriflavine	Frog	sc	LD	800-1000
		Mouse	sc	LD	250
		Mouse	ip	LD	250
		Guinea pig	sc	LD	250
		Guinea pig	ip	LD	250
		Guinea pig	iv	LD	40
		Rabbit	iv	LD	20
		Rabbit	iv	LD	30
		Cat	iv	LD	7.3
		Dog	iv	LD_{100}	30
54	Acrolein	Mouse	sc	LD_{50}	30
		Rat	or	LD_{50}	46
		Rat	sc	LD_{50}	50
		Guinea pig	sc	LD	4280
		Guinea pig	sc	LD	178
		Rabbit	or	LD_{50}	7.1
		Rabbit	sc	LD	965
		Rabbit	sc	LD	581
		Rabbit	sc	LD	305
55	Acrylic acid	Rat	or	LD_{50}	2520
		Rabbit	ct	LD_{50}	950
56	Acrylonitrile	Mouse	or	LD	>20,<72
		Mouse	ip	LD_{50}	15
		Rat	or	LD_{50}	93
		Guinea pig	or	LD_{50}	50
		Rabbit	ct	LD_{50}	250
57	Actidione	Rat	or	LD_{50}	1

/1/Spring frogs. /2/Summer frogs.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
		108 hr	Benigni, Arch. int. pharmacod. 37:161, 1930.	48
			Munch, J. Am. Pharm. Assoc. 18:17, 1929.	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1291.	49
			Ibid	
		2 hr	Cunningham, Proc. Soc. Exp. Biol. Med. 26:221, 1928.	
			Flury, Abderhalden's Hdb. 4.7b:1291.	
	Dil acid	24 hr	Swanson, J. Am. Pharm. Assoc. 12:957, 1923.	
			Flury, Abderhalden's Hdb. 4.7b: 1291.	
			Ibid	
			Ibid	
			Ibid	
			Dybing, Acta pharm. tox. 7:337, 1951.	50
			Ibid	
			Ibid	
		48 hr	Beck, Proc. Soc. Exp. Biol. Med. 78:392, 1951.	51
		48 hr	Ibid	
1540-2990			Smyth, unpublished data, Mellon Inst.	52
			Lenz, Zschr. ges. exp. Med. 12:195, 1921.	53
			Flury, Abderhalden's Hdb. 4.7b:1292.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Heathcote, J. Pharm. Exp. Ther. 38:145, 1930.	
		1½ hr	Tubby, Lancet 196:838, 1919.	
			Heathcote, J. Pharm. Exp. Ther. 38:145, 1930.	
		24 hr	Skog, Acta pharm. tox. 6:299, 1950.	54
39-56			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	
		24 hr	Skog, Acta pharm. tox. 6:299, 1950.	
		34 min	Lewin, Arch. exp. Path. Pharm. 43:351, 1900.	
		85 min	Ibid	
3.1-16.7			Smyth, unpublished data, Mellon Inst.	
		3 hr	Lewin, Arch. exp. Path. Pharm. 43:351, 1900.	
		30 min	Ibid	
		6 hr	Ibid	
2320-2740			Smyth, unpublished data, Mellon Inst.	55
670-1300			Ibid	
			McOmie, J. Ind. Hyg. Tox. 31:113, 1949.	56
			Ibid	
81-106			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	
			Ibid	
			Smyth, unpublished data, Mellon Inst.	
		25 hr	Traub, J. Am. Pharm. Assoc. 39:552, 1950.	57

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
58	Adalin	Frog	sc	LD	1665
		Rabbit	or	LD	500-700
		Cat	or	MLD	350
		Dog	or	LD	450
		Dog	sc	LD	300
59	Adenine	Mouse	ip	LD_{50}	335
		Mouse	ip	LD_{50}	340
		Rat	or	LD_{50}	745
		Rat	ip	LD_{50}	198
60	Adonidin	Frog	sc	LD	4
		Rabbit	iv	LD	5
		Cat	iv	LD	3-4
61	Agaricic acid	Rabbit	iv	LD	100
62	Agerite (white)	Rat?	ip	LD_{50}	4500
63	Aldol	Rat	or	LD_{50}	2180
		Rabbit	ct	LD_{50}	140
64	Aldrin	Rat♂	or	LD_{50}	54.2±6.19
		Rat♀	or	LD_{50}	56.0±5.28
		Rabbit	ct	LD_{50}*	<150
65	Aleurin	Mouse	ip	LD_{50}	10
66	Alkylmercuric chloride	Rat	or	LD_{50}*	30
67	Allethrin	Mouse	or	LD_{50}	480
		Rat	or	LD_{50}	920
		Rat	or	LD_{50}*	680
		Rabbit	or	LD_{50}	4290
		Rabbit	ct	LD_{50}	11,200
68	Alloxan	Mouse	ip	LD_{50}	300-400
		Mouse	iv	LD_{50}	200
		Rat	iv	LD	300
		Rabbit	rt[1]	MLD	180-250[2]
		Dog	iv	LD	100
		Dog	iv	LD	75-100
		Sheep	iv	LD	200
		Pigeon	iv	LD	150-200
		Duck	iv	MLD	250[3]
69	Allyl acetate	Rat	or	LD_{50}	130
		Rabbit	ct	LD_{50}	1100
70	Allyl alcohol	Mouse	or	LD_{50}	139
		Rat	or	LD_{50}	64
		Rabbit	or	LD	53[4]
		Rabbit	or	LD_{50}	52
		Rabbit	ct	LD_{50}	53
		Rabbit	ct	LD	118[4]
		Dog	or	LD	43[5]

/1/Or by injection into jejunum. /2/As alloxan monohydrate, 15% suspension in H_2O.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Flury, Abderhalden's Hdb. 4.7b:1292.	58
			Ibid	
			Ibid	
			Ibid	
			Ibid	
280-400			Philips, J. Pharm. Exp. Ther. 104:20, 1952.	59
300-390			Ibid	
640-860			Ibid	
160-240			Ibid	
			Lendle, Heffter's Hdb. E.1:78.	60
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1297.	61
			Mallette, Arch. Ind. Hyg. Occ. Med. 5:311, 1952.	62
2000-2380			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	63
130-160			Ibid	
			Ball, Arch. Ind. Hyg. Occ. Med. 7:292, 1953.	64
			Ibid	
			Lehman, Q. Bull. Assoc. F.& D. Off. 16:3, 1952.	
			Rpt. Chemother. Leukemia, So. Res. Inst.	65
			Conley, J. Am. Med. Assoc. 157:237, 1955.	66
			Carpenter, Arch. Ind. Hyg. Occ. Med. 2:420, 1950.	67
			Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
			Carpenter, Arch. Ind. Hyg. Occ. Med. 2:420, 1950.	
			Ibid	
		48 hr	Waisbren, Proc. Soc. Exp. Biol. Med. 67:154, 1948.	68
		48 hr	Ibid	
		Rapid	Gabe, C. rend. Soc. biol. 162:1335, 1948.	
	H_2O		Ruben, Am. J. Clin. Path. 16:257, 1946.	
		Few hr	Goldner, Endocrinology 33:297, 1943.	
		1 wk	Ibid	
		24 hr	Bell, J. Comp. Path. 58:152, 1948.	
		2-3 da	Goldner, Proc. Soc. Exp. Biol. Med. 58:31, 1945.	
	H_2O	36-48 hr	Mirsky, Proc. Soc. Exp. Biol. Med. 59:35, 1945.	
			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	69
			Ibid	
119-158	H_2O		Smyth, unpublished data, Mellon Inst.	70
56-74			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	
	H_2O	9 hr	Miessner, Berl. klin. Wschr. 28:819, 1891.	
47-58			Smyth, unpublished data, Mellon Inst.	
45-63			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	
	H_2O	2½ hr	Miessner, Berl. klin. Wschr. 28:819, 1891.	
	H_2O	7 hr	Atkinson, J. Pharm. Exp. Ther. 25:144, 1925.	

/3/5% solution. /4/25% solution. /5/1% solution.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
71	Allylarsinic acid	Rat	iv	LD	350[1]
72	Allyl-bis-(β-chloroethyl)-aminoethylsulfone	Mouse	sc	LD_{50}	4-6
73	Allylcyclohexylpropionate	Rat	or	LD_{50}	600
74	Allylglyceryl ether	Mouse	or	LD_{50}	4200±84
75	3-Allyloxy-1, 2-propandiol	Mouse	or	LD_{50}	4.2cc±0.08
76	Allyltheobromine	Mouse	sc	LD	125
		Mouse	iv	LD	40
		Rabbit	sc	LD	100
		Rabbit	iv	LD	50
77	Aluminum chloride	Rat	or	LD_{50}	3730
		Rat	sc	LD	7000-8000[2]
78	Aluminum nitrate	Rat	or	LD_{50}	4280
79	Alypin	Frog	sc	MLD	200-390
		Mouse	sc	MLD	260
		Rat	sc	MLD	200-430
		Rat	iv	MLD	10-15
		Guinea pig	sc	MLD	72
		Guinea pig	ip	MLD	100
		Guinea pig	iv	MLD	15-20
		Rabbit	sc	MLD	96
		Rabbit	iv	MLD	10
		Cat	sc	MLD	60
		Cat	iv	MLD	10
		Dog	sc	MLD	70
80	Amboside	Cat	iv	LD_{50}	0.8268
81	Amidrine	Rat	or	LD_{50}	538
		Rat	im	LD_{50}	146
		Rat	ip	LD_{50}	50
82	p-Aminoacetophenone	Mouse	ip	LD_{50}	465±19
83	Aminoacridine HCl	Mouse	or	LD_{50}	78±17
		Mouse	sc	LD_{50}	95
		Mouse	ip	LD_{50}	70
84	9-Aminoacridine penicillin	Mouse	or	LD_{50}	227±15.2[3]
		Mouse	or	LD_{50}	100[4]
		Mouse	sc	LD_{50}	562±58.5[3]
		Mouse	sc	LD_{50}	250[4]
85	6-Amino-2-aminobenzothiazole	Mouse	iv	LD_{50}*	384
86	p-Aminobenzaldehyde	Mouse	ip	LD_{50}	912±58
87	2-Aminobenzimidazole	Mouse	iv	LD_{50}*	170

/1/5% solution. /2/As a 20% solution in H_2O. /3/ As the base. /4/As the hydrochloride.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
	H_2O		Ickowitz, Ann. anat. path. 12:501, 1935.	71
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947.	72
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:82,1951.	73
			Loeb, Fed. Proc. 8:316, 1949.	74
		10 da	Hine, Arch. Ind. Hyg. Occ. Med. 2:579, 1950.	75
			Ritz, Arch. int. pharmacod. 25:361, 1921.	76
			Ibid	
			Ibid	
			Ibid	
2430-5740			Smyth, unpublished data, Mellon Inst.	77
	H_2O	1-3 da	Underhill, Am. J. Physiol. 90:76, 1929.	
3860-4760			Smyth, unpublished data, Mellon Inst.	78
			Hirschfelder, Physiol. Rev. 12:262, 1932.	79
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
0.5294-1.821	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	80
			Semenza, Boll. soc. ital. biol. sper. 27:354, 1951.	81
			Ibid	
			Ibid	
			Lanphier, Fed. Proc. 6:348, 1947.	82
		72 hr	Brodie, J. Am. Pharm. Assoc. 38:498, 1949.	83
		72 hr	Ibid	
		72 hr	Ibid	
		72 hr	Brodie, J. Am. Pharm. Assoc. 38:498, 1949.	84
		72 hr	Ibid	
		72 hr	Ibid	
		72 hr	Ibid	
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	85
			Lanphier, Fed. Proc. 6:348, 1947.	86
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	87

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
88	p-Aminobenzoic acid	Mouse Mouse Rat Rat Rat Rabbit Dog	or iv or or iv or or	LD$_{50}$ LD$_{50}$ LD$_{50}$ LD$_{50}$* LD$_{50}$ LD$_{50}$ LD$_{50}$	2850±400 4600±210[1] 6000 10,000 2760±240[1] 1830 1000-3000
89	2-Aminobenzothiazole	Mouse	iv	LD$_{50}$	126±4
90	2-Aminobenzoxazole	Mouse	iv	LD$_{50}$	238±10
91	(3-p-Aminobenzoxyphenyl)trimethylammonium bromide	Mouse	iv	LD$_{50}$	3.0±0.2
92	3-Amino-9-n-butylcarbazole HCl	Rat	or	LD$_{50}$	946
93	2-Aminocarbazole HCl	Rat	or	LD$_{50}$	964
94	3-Aminocarbazole HCl	Rat	or	LD$_{50}$	1517
95	2-Aminoethanol	Rat[2] Rabbit	or ct	LD$_{50}$ LD$_{50}$	2140 1000
96	2-Aminoethoxyethanol	Rat Rabbit	or ct	LD$_{50}$ LD$_{50}$	5660 1190
97	2-Amino-3-ethoxy-5, 6, 7, 8-tetrahydrocarbazole HCl	Rat	or	LD$_{50}$	810
98	3-Amino-9-ethylcarbazole HCl	Rat	or	LD$_{50}$	234
99	Aminoethylethandiamine	Rat Guinea pig	or ct	LD$_{50}$ LD$_{50}$	3000 1800
100	N-Aminoethylmorpholine	Rat Guinea pig	or ct	LD$_{50}$ LD$_{50}$	3000 300
101	1-Amino-9-ethyl-5, 6, 7, 8-tetrahydrocarbazole HCl	Rat	or	LD$_{50}$	1092
102	3-Amino-9-ethyl-5, 6, 7, 8-tetrahydrocarbazole HCl	Rat	or	LD$_{50}$	198
103	3-Amino-5, 6, 7, 8, 12, 13-hexahydrocarbazole HCl	Rat	or	LD$_{50}$	275
104	3-Amino-9-methylcarbazole HCl	Rat	or	LD$_{50}$	347
105	2-Amino-6-methylheptane	Mouse Rat Guinea pig Rabbit	ip ip ip ip	LD$_{50}$ LD$_{50}$ LD$_{50}$ LD$_{50}$	59 41.5 39 44
106	DL-2-Amino-1-(p-methylphenyl)propane	Rat Guinea pig Rabbit	or ip ip	LD$_{50}$* LD$_{50}$ LD$_{50}$	150 20-25 40

/1/As the sodium salt. /2/More toxic for immature than for adult rats.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
		Sev hr	Scott, Proc. Soc. Exp. Biol. Med. 49:184, 1942.	88
		5-10min	Ibid	
			Ibid	
			Robin, Fed. Proc. 6:366, 1947.	
		5-10min	Scott, Proc. Soc. Exp. Biol. Med. 49:184, 1942.	
1730-1940			Cronheim, Fed. Proc. 10:289, 1950.	
		1-2 da	Scott, Proc. Soc. Exp. Biol. Med. 49:184, 1942.	
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	89
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	90
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	91
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	92
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	93
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	94
1540-2990			Smyth, unpublished data, Mellon Inst.	95
620-1620			Ibid	
			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	96
710-2000			Ibid	
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	97
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	98
			Smyth, J. Ind. Hyg. Tox. 26:269, 1944.	99
			Ibid	
			Smyth, J. Ind. Hyg. Tox. 26:269, 1944.	100
			Ibid	
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	101
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	102
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	103
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	104
			Fellows, J. Pharm. Exp. Ther. 90:351, 1947	105
			Ibid	
			Ibid	
			Ibid	
			Fellows, J. Pharm. Exp. Ther. 100:72, 1950.	106
			Ibid	
			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
107	2-Amino-9-methyl-5, 6, 7, 8-tetrahydrocarbazole HCl	Rat	or	LD_{50}	705
108	3-Amino-9-methyl-5, 6, 7, 8-tetrahydrocarbazole HCl	Rat	or	LD_{50}	229
109	o-Aminophenol	Cat	sc	LD	37
110	p-Aminophenol	Cat	sc	LD	37
111	α-(4-Aminophenyl)-β-methylamino-propane	Rat	or	LD_{50}	300
		Rat	ip	LD_{50}	85
112	Aminophylline	Mouse	or	LD_{50}	540±12.9[1]
		Rat	iv	MLD	190
		Rabbit	iv	LD_{50}	150±7.65[2]
113	1-Amino-2-propanol	Rat	or	LD_{50}	4260
		Rabbit	ct	LD_{50}	1640
114	p-Aminopropiophenone	Mouse	ip	LD_{50}	223±17
		Dog	iv	LD_{50}	7.15±0.89
115	3-Amino-9-propylcarbazole HCl	Rat	or	LD_{50}	423
116	4-Aminopropylmorpholine	Rat	or	LD_{50}	5660
		Rabbit	ct	LD_{50}	1230
117	p-Aminopyridine	Frog	sc	LD	200
		Mouse	sc	LD	50-70
		Rabbit	sc	LD	100
		Rabbit	iv	LD	20
		Dog	sc	LD	100
118	Aminopyrine	Frog	sc	LD	825-1650
		Mouse	or	LD_{50}	1850±0.03
		Mouse	sc	LD	350-360[3]
		Mouse	sc	LD_{50}	350±0.008
		Mouse	iv	MLD	150
		Mouse	iv	LD_{50}	184±0.004
		Mouse	iv	LD_{50}	170
		Rat	or	LD_{50}	1700
		Rat	iv	MLD	135
		Rat	ip	LD_{50}	248
		Rabbit	sc	LD	417
		Dog	sc	LD*	300
119	2-Aminoquinuclidinoldiphenyl-acetate HCl	Mouse	ip	LD_{50}	178
120	p-Aminosalicylic acid	Mouse	or	LD_{50}*	4000
		Mouse	sc	LD_{50}	4000-5000
		Mouse	sc	LD_{50}*	4000
		Mouse	ip	LD_{50}*	4500
		Mouse	iv	LD_{50}*	2500
		Rat	sc	LD_{50}	8000-10,000
		Rabbit	or	LD_{50}	3650

/1/ 5% solution. /2/ 25% solution. /3/ 1% solution.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	107
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	108
		105 min	Heubner, Arch. exp. Path. Pharm. 72:239, 1913.	109
		30 hr	Heubner, Arch. exp. Path. Pharm. 72:239, 1913.	110
			Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	111
			Ibid	
	H_2O	1 wk	Thompson, J. Lab. Clin. Med. 31:1337, 1946.	112
			Chen, J. Pharm. Exp. Ther. 45:1, 1932.	
	H_2O	1 wk	Thompson, J. Lab. Clin. Med. 31:1337, 1946.	
3880-4670			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	113
1380-1950			Smyth, unpublished data, Mellon Inst.	
	G traga		Lanphier, Fed. Proc. 6:348, 1947.	114
			Rose, J. Pharm. Exp. Ther. 89:109, 1947.	
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	115
			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	116
440-1630			Ibid	
			Petini, Chem. Zbl. 893, 1914.	117
			Bierwag, Dissert., Kiel 1932.	
			Ibid	
			Ibid	
			Ibid	
			Filehne, Zschr. klin. Med. 32:569, 1897.	118
			Koch, Med. Klin., Berl. 45:661, 1950.	
	H_2O	30 min	Fühner, Arch. exp. Path. Pharm. 166:455, 1932.	
			Koch, Med. Klin., Berl. 45:661, 1950.	
			Rose, Proc. Soc. Exp. Biol. Med. 32:1242, 1935.	
			Koch, Med. Klin., Berl. 45:661, 1950.	
		48 hr	Hazleton, J. Pharm. Exp. Ther. 109:387, 1953.	
			Hart, J. Pharm. Exp. Ther. 89:205, 1947.	
			Rose, Proc. Soc. Exp. Biol. Med. 32:1242, 1935.	
		24 hr	Hazleton, J. Pharm. Exp. Ther. 109:387, 1953.	
			Filehne, Zschr. klin. Med. 32:569, 1897.	
			Biberfeld, Zschr. exp. Path. 5:28, 1908.	
			Randall, J. Pharm. Exp. Ther. 104:284, 1952.	119
			Bavin, Brit. J. Pharm. 1:790, 1949.	120
			Goebel, Therap. Umschau 7:151, 1951.	
			Bavin, Brit. J. Pharm. 1:790, 1949.	
			Ibid	
			Ibid	
			Goebel, Therap. Umschau 7:151, 1951.	
3350-3980			Cronheim, Fed. Proc. 10:289, 1951.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
121	1-Amino-5,6,7,8-tetrahydrocarbazole HCl	Rat	or	LD_{50}	1375
122	2-Amino-5,6,7,8-tetrahydrocarbazole HCl	Rat	or	LD_{50}	290
123	3-Amino-5,6,7,8-tetrahydrocarbazole HCl	Rat	or	LD_{50}	374
124	Aminothiazole	Rat	or	LD_{50}	480[1]
		Guinea pig	or	LD*	120[2]
		Rabbit	or	LD_{50}	370[3]
		Rabbit	or	LD_{50}	490[4]
		Cat	or	MLD*	120[3]
125	Ammonia	Frog	sc	LD	2500
		Mouse	sc	LD	160
		Mouse	sc	LD	500
		Rabbit	sc	LD	200
		Rabbit	iv	LD	3-50
		Rabbit	iv	LD	80-100
		Cat	or	LD	250
126	Ammonium acetate	Mouse	iv	LD_{50}	97.5
127	Ammonium chloride	Mouse	sc	LD	500
		Rat	im	LD_{50}	30
		Guinea pig	iv	LD	240-245[6]
128	Ammonium dichromate	Guinea pig	sc	LD	25-35
129	Ammonium fluoride	Frog	sc	LD	250
		Guinea pig	or	LD	150
		Guinea pig	sc	LD	250
130	Ammonium heptinchloroarsinate	Rabbit	sc	LD	200
		Rabbit	sc	LD	1000
		Rabbit	iv	LD	100
		Rabbit	iv	LD	200
131	Ammonium mandelate	Rat	or	MLD	5000
132	Ammonium molybdate	Rat	ip	MLD	203
		Guinea pig	or	LD	2200
		Guinea pig	sc	LD	1380
		Guinea pig	ip	LD_{100}	800
		Rabbit	or	LD	1870
		Rabbit	sc	LD	1600
		Cat	or	LD	>1600-3200
133	Ammonium persulfate	Rat	or	LD_{50}	820
134	Ammonium salicylate	Mouse	sc	LD_{50}	550
		Rat	sc	LD_{50}	600
135	Ammonium silicofluoride	Frog	sc	LD	200
		Guinea pig	or	LD	150
		Guinea pig	sc	LD	200
136	Ammonium sulfamate	Rat	or	LD	>1600
		Rat	or	LD_{50}*	3900
		Rat	ip	MLD	800

/1/5% suspension in milk. /2/10% suspension in milk. /3/20% suspension in milk. /4/ 20%
New York: S. Karger, 1948. /6/ 1-2% solution in H_2O.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	121
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	122
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	123
	Milk	8-16 hr	Deichmann, J. Ind. Hyg. Tox. 30:71, 1948.	124
	Milk	26 hr	Ibid	
	Milk	10-12 hr	Ibid	
	Oil	10-72 hr	Ibid	
	Milk	12 hr	Ibid	
			Bovet & Bovet-Nitti[5] p 678.	125
			Trendelenburg, Heffter's Hdb. 1:470.	
			Bovet & Bovet-Nitti[5] p 688	
			Trendelenburg, Heffter's Hdb. 1:470.	
			Flury, Abderhalden's Hdb. 4.7b:1300.	
			Bovet & Bovet-Nitti[5] p 688.	
			Harnack, Arch. int. pharmacod. 12:185, 1904.	
			Welch, J. Lab. Clin. Med. 29:809, 1944.	126
			Fromanek, Arch. f. Hyg. 38:1, 1900.	127
	H_2O		Boyd, Exp. Med. Surg. 4:223, 1946.	
			Amberg, J. Pharm. Exp. Ther. 6:595, 1915.	
			Flury, Abderhalden's Hdb. 4.7b: 1330.	128
			Simonin, C. rend. Soc. biol. 124:133, 1937.	129
			Ibid	
			Ibid	
		23 hr	Testoni, Clin. med. ital. 57:383, 428, 1926.	130
		2 hr	Ibid	
		48 hr	Ibid	
		$2\frac{1}{2}$ hr	Ibid	
			Meier, Arch. int. pharmacod. 64:79, 1940.	131
			Franke, J. Pharm. Exp. Ther. 58:454, 1936.	132
			Pulewka, Heffter's Hdb. 3.4:2231.	
			Ibid	
			Fairhall, Pub. Health Bull. 293, 1945.	
			Pulewka, Heffter's Hdb. 3.4:2231.	
			Ibid	
			Ibid	
530-1260			Smyth, unpublisned data, Mellon Inst.	133
			Johnson, J. Pharm. Exp. Ther. 36:319, 1929.	134
			Ibid	
			Simonin, C. rend. Soc. biol. 124:133, 1937.	135
			Ibid	
			Ibid	
			Ambrose, J. Ind. Hyg. Tox. 25:26, 1943.	136
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
		45 min	Ambrose, J. Ind. Hyg. Tox. 25:26, 1943.	

solution in oil. /5/ Bovet and Bovet-Nitti, "Médicaments du Système Nerveux Végétatif,"

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
137	Amyl alcohol	Mouse	sc	LD	10,600
		Mouse	ip	LD^1	610
		Rat	ip	LD	492
		Rabbit	or	LD	1600-1950
		Cat	iv	LD	123
		Dog	or	LD	1390-1560
138	Amyl alcohol (tert.)	Rat	or	LD$_{50}$	1000
		Rat	sc	LD	1400
		Rat	sc	MLD	1650
		Rat	ip	MLD	1350
		Rat	rt	LD	1220
		Rat	rt	LD	1500
		Rabbit	sc	LD	1500
		Cat	sc	LD	1000
		Dog	sc	LD	1500
139	2-n-Amylbenzimidazole	Mouse	iv	LD$_{50}$*	20
140	N,N-Amylbenzylcyclohexylamine	Rat	or	LD$_{50}$*	3000
		Rat	sc	LD$_{50}$*	5000
		Rat	ct	LD$_{50}$*	12,000
		Rabbit	or	MLD*	3000
141	Amyl-2-furylcarbamate (tert.)	Rat	or	LD$_{50}$	190
142	Amyloxaspirane (Iso-)	Mouse	ip	LD$_{50}$	688±51.6
143	2-Amylphenoxyethylbenzyl-β-chloroethylamine	Mouse	sc	LD$_{50}$	>1000
144	2-Amylphenoxyethylethyl-β-chloroethylamine	Mouse	sc	LD$_{50}$*	100
145	n-Amyltrimethylammonium iodide	Mouse	sc	LD$_{50}$	25.1±8.1
		Mouse	ip	LD$_{50}$	18
146	Amytal	Frog	sc	MLD	110
		Frog	iv	MLD	200
		Mouse	sc	MLD	280
		Mouse	ip	LD	200-210
		Mouse	ip	LD	200±19
		Mouse	ip	MLD	280
		Mouse	iv	MLD	135
		Rat	or	MLD	400
		Rat	sc	LD	190
		Rat	sc	MLD	230
		Rat	ip	LD$_{50}$	115
		Rat	ip	LD	180
		Rat	iv	MLD	90
		Guinea pig	sc	MLD	170
		Guinea pig	ip	MLD	120
		Guinea pig	iv	MLD	80
		Rabbit	or	LD$_{50}$	575
	(continued on next page)	Rabbit	sc	MLD	150

/1/LD varies for different isomers.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Starrek, Dissert., Würzburg 1938.	137
			Haggard, J. Ind. Hyg. Tox. 27: 1, 1945.	
			Lendle, Arch. exp. Path. Pharm. 132:214,1928.	
			Sollman & Hanzlik, "Exp. Pharmacol." 1928.	
			Macht, J. Pharm. Exp. Ther. 16:1, 1921.	
			Dujardin, C. rend. Acad. sc. 81:192, 1875.	
			Schaffarzick, Science 116:663, 1952.	138
		7-14 hr	Barlow, Arch. Surg. 26:689, 1933.	
		Sev hr	Lendle, Arch. exp. Path. Pharm. 160:74, 1931.	
		Sev hr	Ibid	
			Barlow, Arch. Surg. 26:689, 1933.	
		Sev hr	Lendle, Arch. exp. Path. Pharm. 160:74, 1931.	
			Kochmann, Heffter's Hdb. 1:428.	
			Ibid	
			Ibid	
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	139
		20-24 hr	Deichmann, J. Ind. Hyg. Tox. 22:484, 1940.	140
		3-20 hr	Ibid	
		20 hr	Ibid	
		3 hr	Ibid	
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	141
			Berger, Arch. int. pharmacod. 85:474, 1951.	142
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379,1951.	143
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	144
		2 hr	Edwards, J. Pharm. Exp. Ther. 103:196, 1951.	145
			Alles, Univ. Cal. Publ. Pharmacol. 1:187, 1939.	
			Swanson, J. Am. Pharm. Assoc. 26:1248, 1937.	146
			Ibid	
			Ibid	
			Holck, J. Lab. Clin. Med. 19:1191, 1934.	
			Way, J. Pharm. Exp. Ther. 87:265, 1946.	
			Swanson, J. Am. Pharm. Assoc. 26:1248, 1937.	
			Ibid	
			Ibid	
			Vogt, Arch. exp. Path. Pharm. 152:341, 1930.	
			Swanson, J. Am. Pharm. Assoc. 26:1248, 1937.	
			Holck, J. Lab. Clin. Med. 19:1191, 1934.	
			Swanson, J. Am. Pharm. Assoc. 26:1248, 1937.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Maloney, J. Pharm. Exp. Ther. 42:267, 1931.	
			Swanson, J. Am. Pharm. Assoc. 26:1248, 1937.	

	Compound	Animal	Route	Dose	Dosage mg/kg Value
146	Amytal (concluded)	Rabbit	ip	MLD	90
		Rabbit	ip	MLD	120
		Rabbit	iv	LD_{50}	75 (Na salt)
		Cat	or	LD_{50}	110
		Cat	ip	MLD	120
		Cat	iv	LD	54
		Cat	iv	MLD	75
		Dog	or	LD	112
		Dog	or	LD	125
		Dog	iv	LD	54-68
		Dog	rt	LD	180
		Dog	rt	LD	200
147	Anabasine	Guinea pig	sc	LD_{100}	22
		Rabbit	iv	MLD	3
148	Anemonin	Mouse	ip	LD_{50}	150
149	α-Angelica lactone	Mouse	ip	LD_{50}	>3000
150	β-Angelica lactone	Mouse	ip	LD_{50}	750
151	16-Anhydrodigitalinum verum monoacetate	Cat	iv	LD_{50}	5.936
152	5-Anhydroperiplogenone	Cat	iv	LD_{50}	1.338
153	Aniline	Guinea pig	or	LD	2500
		Guinea pig	sc	LD	1000-1500
		Guinea pig	ct	LD_{50}	1060[1]
		Rabbit	sc	LD*	500
		Cat	or	LD	100-200
		Dog	or	LD	500
		Dog	sc	LD	100
		Dog	ct	LD	2.5 cc
154	Anilinoethanol	Mouse	ip	LD_{50}*	220
		Rabbit	iv[2]	MLD	44
		Dog	sc	MLD	2220
		Dog	iv	MLD	165
155	2-Anilinoethanol	Rat	or	LD_{50}	2230
156	Anisole	Rat	sc	LD	3500-4000
		Rat	ip	LD	100-900
157	Anisylidene-strophanthidin	Cat	iv	LD_{50}	1.927
158	Antabuse	Rat	or	LD_{50}	8600±370
		Rabbit	or	LD_{50}	1800±130
		Rabbit	or	LD_{50}	2050
		Dog	or	LD*	3500
159	Antergan	Mouse	sc	LD_{50}	175
		Mouse	iv	LD_{50}	40
		Rat	or	LD_{50}	300
		Rat	sc	LD_{50}	175
		Rat	sc	LD_{50}	150
		Guinea pig	sc	LD_{50}	110

/1/As a 10% solution. /2/Slow injection.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Fitch, J. Pharm. Exp. Ther. 42:266, 1931.	146
			Swanson, J. Am. Pharm. Assoc. 26:1248, 1937.	
			Gruber, J. Pharm. Exp. Ther. 86:186, 1946.	
			Holck, J. Lab. Clin. Med. 19:1191, 1934.	
			Swanson, J. Am. Pharm. Assoc. 26:1248, 1937.	
			Holck, J. Lab. Clin. Med. 19:1191, 1934.	
			Swanson, J. Am. Pharm. Assoc. 26:1248, 1937.	
			Holck, J. Lab. Clin. Med. 19:1191, 1934.	
			Swanson, J. Am. Pharm. Assoc. 26:1248, 1937.	
			Holck, J. Lab. Clin. Med. 19:1191, 1934.	
			Ibid	
			Swanson, J. Am. Pharm. Assoc. 26:1248, 1937.	
			Haag, J. Pharm. Exp. Ther. 48:95, 1933.	147
			Ibid	
			Brodersen, Acta pharm. tox. 2:109, 1946.	148
			Brodersen, Acta pharm. tox. 2:109, 1946.	149
			Brodersen, Acta pharm. tox. 2:109, 1946.	150
4.518-6.999	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	151
0.9757-1.6194	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	152
			Falkenburg, Dissert., Marburg 1890.	153
			Ibid	
950-1310	Alcohol		Smyth, J. Ind. Hyg. Tox. 27:93, 1945.	
			Kunkel, Toxikologie 2:604, 1901.	
			Von Engelhardt, Dissert., Dorpat 1888.	
			Falkenburg, Dissert., Marburg 1890.	
			Ibid	
		24 hr	Summ.Rpt. Med.Div.Army Chem.Ctr.Md., June 1939.	
	Dil alc		Bass, J. Am. Med. Assoc. 123:761, 1943.	154
		6 hr	Ibid	
		3 da	Ibid	
		12 hr	Ibid	
2010-2470			Smyth, unpublished data, Mellon Inst.	155
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	156
			Ibid	
1.780-2.225	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	157
			Child, J. Pharm. Exp. Ther. 98:5, 1950.	158
			Ibid	
			Brieger, Proc. 9th Int. Congr. Ind. Med., Lond. 1948.	
			Child, J. Pharm. Exp. Ther. 98:5, 1950.	
			Loew, Physiol. Rev. 27:542, 1947.	159
			Ibid	
			Ibid	
			Ibid	
		48 hr	Halpern, C. rend. Soc. biol. 144:887, 1950.	
			Loew, Physiol. Rev. 27:542, 1947.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
160	Antiarin	Frog	sc	LD	0.16
		Rabbit	iv	LD	1
161	Antimony[1]	Rat	ip	LD_{50}	100
		Guinea pig	ip	LD_{50}	150
162	Antimony pentasulfide	Rat	ip	LD_{50}	1500
163	Antimony pentoxide	Rat	ip	LD_{50}	4000
164	Antimony potassium tartrate	Frog	or	LD	110
		Mouse	or	LD	599-666
		Mouse	ip	LD	52
		Mouse	iv	LD	42
		Mouse	iv	LD	16
		Rat	im	LD	33
		Rat	ip	LD_{50}	11
		Rat	iv	MLD	50
		Guinea pig	im	LD	55
		Guinea pig	ip	LD_{50}	15
		Rabbit	or	LD	50-65
		Rabbit	or	LD_{50}	115-120
		Rabbit	iv	LD	10-20
165	D-Antimony potassium tartrate	Mouse	ip	LD_{50}	48.8
166	DL-Antimony potassium tartrate	Mouse	ip	LD_{50}	48.8
167	L-Antimony potassium tartrate	Mouse	ip	LD_{50}	51
168	meso-Antimony potassium tartrate	Mouse	ip	LD_{50}	51
169	Antimony sodium tartrate	Mouse	iv	LD	25
170	Antimony trioxide	Rat	or	LD_{50}	>20,000
		Rat	ip	LD_{50}	3250
171	Antimony trisulfide	Rat	ip	LD	1000
172	Antimosan	Mouse	or	LD	500
		Mouse	sc	LD_{100}	500
		Mouse	ip	LD	400
		Mouse	ip	LD_{100}	600
		Rat	sc	LD_{75}	500
		Rat	ip	LD	1000
173	Antipyrine	Frog	sc	LD	2000-4000
		Mouse	sc	LD	1000
		Rat	or	LD_{50}	1800
		Guinea pig	or	LD	1400
		Guinea pig	sc	LD	1000
		Rabbit	sc	LD	1000-1500
		Rabbit	iv	LD	600-800
		Cat	sc	LD	700
		Dog	or	LD	500-1000

/1/As the element.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Lendle, Heffter's Hdb. E. 1:78.	160
			Ibid	
			Bradley, Indust. Med. 2:15, 1941.	161
			Ibid	
			Bradley, Indust. Med. 2:15, 1941.	162
			Bradley, Indust. Med. 2:15, 1941.	163
			Wieland, Heffter's Hdb. E. 1:564.	164
			Rosenthal, Arch. exp. Path. Pharm. 68:275,1912.	
			Wieland, Heffter's Hdb. E. 1:564.	
			Ibid	
		8 da	Ibid	
			Ibid	
			Bradley, Indust. Med. 2:15, 1941.	
			Wieland, Heffter's Hdb. E. 1:564.	
			Ibid	
			Bradley, Indust. Med. 2:15, 1941.	
			Wieland, Heffter's Hdb. E. 1:564.	
			Oelkers, Arch. exp. Path. Pharm. 187:56, 1937.	
		24-36hr	Michiels, Arch. int. pharmacod. 25:217, 1921.	
		24 hr	Haskins, Am. J. Trop. Med. 30:591, 1950.	165
		24 hr	Haskins, Am. J. Trop. Med. 30:591, 1950.	166
		24 hr	Haskins, Am. J. Trop. Med. 30:591, 1950.	167
		24 hr	Haskins, Am. J. Trop. Med. 30:591, 1950.	168
		8 da	Wieland, Heffter's Hdb. 3. 1:564.	169
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	170
			Bradley, Indust. Med. 2:15, 1941.	
			Bradley, Indust. Med. 2:15, 1941.	171
			Schmidt, Arch. Schiffs Tropenhyg. 35:70, 1931.	172
			Bock, Zschr. Hyg. 107:396, 1927.	
			Schmidt, Arch. Schiffs Tropenhyg. 35:70, 1931.	
			Bock, Zschr. Hyg. 107:396, 1927.	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1304.	173
			Ibid	
			Hart, J. Pharm. Exp. Ther. 89:205, 1947.	
			Flury, Abderhalden's Hdb. 4. 7b:1304.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
174	Antistine	Rat	sc	LD_{100}	500
		Dog	iv	LD_{50}	30
175	ANTU	Mouse	or	MLD	120
		Mouse	ip	LD	50
		Rat[1]	or	LD_{100}	100
		Rat[1]	ip	LD_{50}*	6.5
		Rat[1]	ip	LD	2.5-5.9
		Rat[3]	or	LD_{50}	6.9±0.5
		Rat	or	LD_{100}	10
		Guinea pig	or	MLD	100
		Cat	or	MLD	150
		Dog	or	MLD	500
		Dog	ip	LD	16
		Chicken	or	MLD	1000
176	Apiol	Mouse	sc	LD	1000
		Guinea pig	ip	LD	500
		Dog	iv	LD*	500
177	Apoatropine	Mouse	or	LD_{50}	160
		Mouse	ip	LD_{50}	14.1
178	Apoatropine methylbromide	Mouse	ip	LD_{50}	0.76
179	Apomorphine	Dog	iv	LD	60-100
180	Apothesine	Mouse	sc	MLD	700
		Mouse	ip	LD	700
		Rat	iv	MLD	20[4]
		Guinea pig	sc	MLD	250
		Rabbit	iv	MLD	38-42
		Cat	sc	LD	>800
		Cat	iv	LD	20
181	Arabinose	Dog	iv	LD	5000
182	Aramine	Mouse	or	LD_{50}	99
		Mouse	iv	LD_{50}	39
		Rat	or	LD_{50}	240
		Rat	ip	LD_{50}	41
183	Aramite	Rat	or	LD_{50}*	6300
184	Arasan	Rat	or	LD_{50}*	865
		Rabbit	or	LD_{50}	210
		Rabbit	or	LD_{50}	350
185	Arecoline	Mouse	sc	LD	100
		Guinea pig	im	MLD	6
		Dog	sc ?	LD	5
186	Arsacetin	Rabbit	iv	LD	550
187	Arsenic pentoxide	Rabbit	iv	LD	6[5]
		Rabbit	iv	LD	10[5]

/1/Albino rat. /2/Anhydrous. /3/Norway rat. /4/2% solution in H_2O. /5/As sodium salt.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
		48 hr	Halpern, C. rend. Soc. biol. 144:887, 1950.	174
			Stroudemayer, Fed. Proc. 10:338, 1951.	
		18-25 hr	Brion, Arch. int. pharmacod. 80:301, 1949.	175
			Latta, Bull. Johns Hopkins Hosp. 80:181, 1947.	
	G acacia		McClosky, Pub. Health Rpt. 60:1101, 1945.	
	Prop gly^2		Byerrum, Proc. Soc. Exp. Biol. Med. 62:328, 1946.	
	Prop gly		Meyer, J. Pharm. Exp. Ther. 92:15, 1948.	
		16-30 hr	Dieke, Pub. Health Rpt. 61:672, 1946.	
		48 hr	Brion, Arch. int. pharmacod. 80:301, 1949.	
			Ibid	
			Ibid	
			Ibid	
			Latta, Bull. Johns Hopkins Hosp. 80:181, 1947.	
			Brion, Arch. int. pharmacod. 80:301, 1949.	
			Marri, Boll. soc. ital. biol. sper. 14:291, 1939.	176
			Lutz, Bull. sc. pharm. 16:315, 1909.	
			Ibid 17:7, 1910.	
115.1-222.4			Krantz, Proc. Soc. Exp. Biol. Med. 86:511, 1954.	177
11.4-17.5			Ibid	
0.42-1.36			Krantz, Proc. Soc. Exp. Biol. Med. 86:511, 1954.	178
			Flury, Abderhalden's Hdb. 4. 7b: 1305.	179
			Hamilton, J. Lab. Clin. Med. 11:1082, 1926.	180
			Ibid	
	H_2O		Hooper, Am. J. Physiol. 68:120, 1924.	
			Hamilton, J. Lab. Clin. Med. 11:1082, 1926.	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
			Hamilton, J. Lab. Clin. Med. 11:1082, 1926.	
			Hooper, Am. J. Physiol. 68:120, 1924.	
		24 hr	Flury, Abderhalden's Hdb. 4. 7b: 1422.	181
			Peck, Proc. Pharm. Soc. Fall Meet. p63, 1951.	182
			Ibid	
			Ibid	
			Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	183
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	184
			Brieger, Proc. 9th Int. Congr. Ind. Med., Lond. 1948.	
			Hanzlik, J. Pharm. Exp. Ther. 17:343, 1921.	
			Flury, Abderhalden's Hdb. 4. 7b:1306.	185
			Stephansson, Arch. exp. Path. Pharm. 185:249, 1937.	
			Flury, Abderhalden's Hdb. 4. 7b:1306.	
		15 da	Gros, Biochem. Zschr. 184:360, 1927.	186
		3 da	Joachimoglu, Biochem. Zschr. 70:144, 1915.	187
		5-8 hr	Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
188	Arsenic trioxide	Mouse	sc	LD	11-13
		Rat^1	sc	LD	8
		Rat^2	or	LD$_{50}$	138±13
		Guinea pig	or	LD	20-39^3
		Guinea pig	sc	LD	13
		Guinea pig	ip	LD	16
		Rabbit	or	LD	14-30^3
		Rabbit	sc	LD	7-10
		Rabbit	iv	LD	6
		Cat	sc	LD	4.7
		Dog	or	LD	30-70
		Dog	sc	LD	6
		Dog	iv	LD	3-5
		Chicken	or	LD	60-150
		Chicken	sc	LD	15
189	Arsine	Mouse	ip	LD$_{50}$*	3
		Rabbit	ip	LD$_{50}$*	2.5
		Cat	ip	LD$_{50}$*	2.0-2.5
		Sheep	ip	LD$_{50}$*	3
190	Arsphenamine	Mouse	iv	LD	91-100
		Rat	iv	LD$_{100}$	60^4
		Rat	iv	LD$_{100}$	140^5
		Rabbit	iv	LD	200-300
		Dog	iv	LD	50-100
191	ASP-47	Rat	or	LD$_{50}$*	5
192	Atabrine	Rooster	or	LD	714
193	Atoxyl	Mouse	sc	LD	300-500
		Rat	sc	LD	75
		Rat	sc	LD	100
		Rabbit	sc	LD	200-400
		Rabbit	iv	LD	200
		Dog	sc	LD	5
		Dog	sc	LD	20
194	Atropine^6	Frog	sc	LD	1000-2500
		Mouse	or	LD$_{50}$	794.5±52.9
		Mouse	or	LD$_{50}$	400
		Mouse	or	LD	1500-1800
		Mouse	sc	LD$_{50}$	750
		Mouse	sc	LD$_{50}$	900
		Mouse	sc	LD$_{50}$	900
		Mouse	sc	LD$_{50}$	400
		Mouse	iv	LD$_{50}$	90.85±7.95
		Mouse	ip	LD$_{50}$	250
		Rat	or	LD	1000
		Rat	or	LD$_{50}$	750
		Rat	sc	LD$_{50}$	2000
		Rat	sc	LD	750
		Rat	ip	LD$_{50}$	280
	(continued on next page)	Rat	ip	LD	600

/1/Albino rat. /2/Norway rat. /3/As sodium salt. /4/Old. /5/Freshly prepared. /6/

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Heffter, Heffter's Hdb. 3. 1:479.	188
			Hammet, J. Pharm. Exp. Ther. 19:337, 1922.	
		6-72 hr	Dieke, Pub. Health Rpt. 61:672, 1946.	
			Bonsmann, Klin. Wschr. 304:1942.	
			Cannava, Arch. sc. biol., Bologna 24:442, 1938.	
			Heffter, Heffter's Hdb. 3. 1:479.	
			Ibid	
			Ibid	
		7-20 hr	Joachimoglu, Biochem. Zschr. 70:144, 1915.	
			Heffter, Heffter's Hdb. 3. 1:479.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Levvy, Brit. J. Pharm. 1:287, 1946.	189
			Ibid	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1308.	190
		48 hr	Shamberg, Am. J. Syph. Neurol. 18:37, 1934.	
		48 hr	Ibid	
			Heffter, Heffter's Hdb. 3. 1:532.	
			Ibid	
			Lehman, Q. Bull. Assoc. F.& D. Off. 15:122, 1951.	191
		3 da	Kohlschütter, Arch. exp. Path. Pharm. 201:402, 1943.	192
			Flury, Abderhalden's Hdb. 4. 7b:1310.	193
	H_2O	36 hr	Gros, Biochem. Zschr. 184:360, 1927.	
	H_2O	12 hr	Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1310.	
			Ibid	
		6 da	Ibid	
			Ibid	
			Clark, J. Exp. Physiol. 5:385, 1912.	194
			Cazort, J. Pharm. Exp. Ther. 100:325, 1950.	
330-480			Cahen, J. Pharm. Exp. Ther. 105:166, 1952.	
			Flury, Abderhalden's Hdb. 4. 7b:1311.	
			Ing, J. Pharm. Exp. Ther. 85:85, 1945.	
700-1150			Cahen, J. Pharm. Exp. Ther. 105:166, 1952.	
			Molitor, J. Pharm. Exp. Ther. 56:85, 1936.	
		2 hr*	Willberg, Biochem. Zschr. 66:389, 1914.	
			Cazort, J. Pharm. Exp. Ther. 100:325, 1950.	
190-330			Cahen, J. Pharm. Exp. Ther. 105:166, 1952.	
			Flury, Abderhalden's Hdb. 4. 7b: 1311.	
620-900			Cahen, J. Pharm. Exp. Ther. 105:166, 1952.	
1 800-2200			Ibid	
		22 hr	Willberg, Biochem. Zschr. 66:389, 1914.	
225-350			Cahen, J. Pharm. Exp. Ther. 105:166, 1952.	
		10 min	Willberg, Biochem. Zschr. 66:389, 1914.	

As atropine sulfate.

	Compound	Animal	Route	Dose	Dosage mg/kg Value
194	Atropine[1] (concluded)	Guinea pig	or	LD_{50}	1100
		Guinea pig	sc	LD	400-500
		Guinea pig	ip	LD	400
		Guinea pig	ip	LD_{50}	400
		Rabbit	or	LD	1400-1500
		Rabbit	sc	LD	250-500
		Rabbit	sc	LD	650-700
		Rabbit	iv	LD	68-74
		Cat	sc	LD	130-150
		Cat	iv	MLD	30
		Dog	sc	LD	200-250
		Dog	iv	LD	100
		Dog	ip	LD	175
		Pigeon	sc	LD	210-230
195	Aureomycin[2]	Mouse	iv	LD_{50}	134
		Rat	iv	LD_{50}	118
196	Auric chloride	Frog	sc	LD	10
		Mouse	sc	LD	1000-2000
		Rabbit	sc	LD	90
		Rabbit	iv	LD	15
		Cat	iv	LD	15.4
197	Aurin tricarboxylic acid	Mouse	iv	LD_{50}	8-10
198	Aurous chloride (sodium)	Rabbit	iv	LD	10
199	Avacan	Mouse	or	LD_{50}	760
		Mouse	sc	LD_{50}	360
		Mouse	iv	LD_{50}	40.0
200	Avertin	Mouse	sc	LD	500
		Mouse	ip	LD	600
		Rat	or	LD	1000[3]
		Rat	sc	LD	730[4]
		Rat	sc	LD	530-600
		Rat	ip	LD	550
		Rat	rt	LD	660-730[5]
		Rat	rt	LD	660
		Rabbit	or	LD	2000
		Rabbit	ip	LD	300-500
		Rabbit	iv	LD	120-150
		Rabbit	rt	LD	550
		Cat	or	LD	150
201	Avertin fluid[6]	Rabbit	or	LD	1100
		Rabbit	sc	LD	1400
		Rabbit	rt	LD	700
		Rabbit	rt	LD	1375
202	Azabicyclononanol diphenylacetate HCl	Mouse	ip	LD_{50}	126
203	Azabicyclooctanol diphenylacetate HCl	Mouse	ip	LD_{50}	105
		Mouse	iv	LD_{50}	33
		Dog	iv	LD_{50}	30

/1/As atropine sulfate. /2/Aureomycin A-377. /3/As 3% solution. /4/As 2.5-3% solution

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
1000-1200			Cahen, J. Pharm. Exp. Ther. 105:166, 1952.	194
			Willberg, Biochem. Zschr. 66:389, 1914.	
			Ibid	
360-440			Cahen, J. Pharm. Exp. Ther. 105:166, 1952.	
			Fickewirth, Biochem. Zschr. 40:36, 1912.	
			Willberg, Biochem. Zschr. 66:389, 1914.	
			Fickewirth, Biochem. Zschr. 40:36, 1912.	
			Ibid	
			Willberg, Biochem. Zschr. 66:389, 1914.	
			Flury, Abderhalden's Hdb. 4. 7b:1311.	
		3½-12 hr	Willberg, Biochem. Zschr. 66:389, 1914.	
		28 min	Ibid	
			Ibid	
			Ibid	
			Harned, Ann. N. Y. Acad. Sci. 51:182, 1948.	195
			Ibid	
			Schlossmann, Heffter's Hdb. 3. 3:2134.	196
		Few da	Ibid	
			Ibid	
		Few min	Ibid	
		25 min	Ibid	
			White, J. Phar. Exp. Ther. 102:88, 1951.	197
			Schlossmann, Heffter's Hdb. 3. 3:2134.	198
			Brock, Deut. med. Wschr. 76:479, 1951.	199
			Ibid	
			Ibid	
			Kochmann, Heffter's Hdb. E. 2: 130.	200
			Ibid	
	H_2O		Burtner, J. Pharm. Exp. Ther. 63:183, 1938.	
	H_2O	0. 8-2 hr	Barlow, Arch. Surg. 26:689, 1933.	
			Gros, Arch. exp. Path. Pharm. 182:348, 1936.	
			Lendle, Arch. exp. Path. Pharm. 160:74, 1931.	
	H_2O	0.8-1.5 hr	Barlow, Arch. Surg. 26:689, 1933.	
			Lendle, Arch. exp. Path. Pharm. 160:74, 1931.	
			Flury, Abderhalden's Hdb. 4. 7b:1312.	
			Kochmann, Heffter's Hdb. E. 2:130.	
			Ibid	
			Ibid	
			Ibid	
		23-40 min	Lendle, Arch. exp. Path. Pharm. 132:214, 1928.	201
		1.2-36 hr	Barlow, Arch. Surg. 26:689, 1933.	
		5-7 min	Lendle, Arch. exp. Path. Pharm. 132:214, 1928.	
		1-2 hr	Barlow, Arch. Surg. 26:689, 1933.	
			Randall, J. Pharm. Exp. Ther. 104:284, 1952.	202
			Randall, J. Pharm. Exp. Ther. 104:284, 1952.	203
			Ibid	
			Ibid	

of crystalline avertin. /5/Solution of crystalline avertin. /6/See The Merck Index.

	Compound	Animal	Route	Dose	Dosage mg/kg Value
204	Azabicyclooctanol-9-fluorene-carboxylate HCl	Mouse	ip	LD$_{50}$	137
		Mouse	iv	LD$_{50}$	23
205	Azabicyclooctanolmethylbromide-diphenyl acetate	Mouse	ip	LD$_{50}$	46
		Mouse	iv	LD$_{50}$	4
206	Azoxybenzene	Rat	or	LD$_{50}$	620
		Rabbit	ct	LD$_{50}$	1.09 cc
207	Bacitracin	Mouse	or	LD$_{50}$	510,000[1]
		Rabbit	or	LD$_{50}$	>200,000[1]
208	Bacitracin A	Mouse	ip	LD	263-342
209	Bacitracin B	Mouse	ip	LD	385-500
210	Bacitracin C	Mouse	ip	LD	75-150
211	BAL	Rat	sc	LD$_{50}$	100
		Rat	sc	LD$_{50}$	110
		Rat	im	LD$_{50}$	105
		Rat	ip	LD$_{50}$*	140
		Cat	iv	LD	0.03 cc
212	Banthine bromide	Mouse	or	LD$_{50}$	460±69
		Mouse	ip	LD$_{50}$	76±17
		Rat	or	LD$_{50}$	1660±230
		Dog	iv	LD	9.5-38.0
213	Banthine chloride	Mouse	or	LD$_{50}$	333±28
		Mouse	ip	LD$_{50}$	46±6
		Rat	or	LD$_{50}$	1360±130
214	Barbital	Frog	sc	LD	1000
		Frog	sc	LD	1500
		Mouse	or	LD	600
		Mouse	sc	LD	280-400
		Mouse	ip	LD	500-550
		Mouse	ip	LD	620±30
		Mouse	ip	LD$_{50}$	763
		Mouse	iv	LD	440
		Rat	sc	LD	310-350
		Rat	sc	LD	450
		Rat	ip	LD	300
		Rabbit	or	LD	250
		Rabbit	or	LD	275
		Rabbit	sc	LD	300-400
		Rabbit	ip	LD	225
		Rabbit	ip	LD$_{60}$	425
		Rabbit	iv	LD	350
		Cat	or	LD	250-300
		Cat	sc	LD	300
		Dog	or	LD	200-500

/1/Units per kilogram ±94,000 units.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Randall, J. Pharm. Exp. Ther. 104:284, 1952. Ibid	204
			Randall, J. Pharm. Exp. Ther. 104:284, 1952. Ibid	205
470-810 0.59-2.01 cc			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954. Ibid	206
			Payne, Antibiotics 1:387, 1951. Ibid	207
			Newton, Brit. J. Pharm. 6:417, 1951.	208
			Newton, Brit. J. Pharm. 6:417, 1951.	209
			Newton, Brit. J. Pharm. 6:417, 1951.	210
			Kensler, J. Pharm. Exp. Ther. 88:99, 1946. Neuman, J. Pharm. Exp. Ther. 96:95, 1949. Waters, Science 102:604, 1945. McDonald, Brit. J. Pharm. 3:116, 1948. Foa, Chicago Med. School. Quart. 8:15, 1947.	211
			Hambourger, J. Pharm. Exp. Ther. 99:245, 1950. Ibid Ibid Ibid	212
			Hambourger, J. Pharm. Exp. Ther. 99:245, 1950. Ibid Ibid	213
			Kochmann, Heffter's Hdb. E. 2:147. Ottnat, Dissert., Heidelberg 1936. Kochmann, Heffter's Hdb. E. 2:147. Ibid Ibid Way, J. Pharm. Exp. Ther. 87:265, 1946. Gruber, J. Pharm. Exp. Ther. 81:254, 1944. Launoy, J. Physiol. path. gén. 30:364, 1932. Kochmann, Heffter's Hdb. E. 2:147. Gros, Arch. exp. Path. Pharm. 182:348, 1936. Kochmann, Heffter's Hdb. E. 2:147. Fitch, J. Pharm. Exp. Ther. 42:266, 1931. Ibid 44:325, 1932. Kochmann, Heffter's Hdb. E. 2:147. Fitch, J. Pharm. Exp. Ther. 44:325, 1932. Barlow, J. Lab. Clin. Med. 23:601, 1938. Kochmann, Heffter's Hdb. E. 2:147. Ibid Ottnat, Dissert., Heidelberg 1936. Kochmann, Heffter's Hdb. E. 2:147.	214

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
215	Barium acetate	Rabbit	or	LD	236
		Rabbit	or	LD	815
		Rabbit	sc	LD	96
		Rabbit	iv	LD	8-15
216	Barium carbonate	Mouse	or	LD	200
		Rat[1]	or	LD_{50}	1480±340
		Rat	or	LD	50-200
		Rabbit	or	LD	170-300
		Pig	?	LD	1000
217	Barium chloride	Frog	sc	LD	60[2]
		Mouse	or	LD	7-14[2]
		Rat	or	LD	355-533
		Rat	sc	LD	45-89
		Rat	iv	MLD	20
		Guinea pig	sc	LD	50-60
		Rabbit	or	LD	170
		Rabbit	sc	LD	40-75
		Rabbit	sc	LD	50
		Rabbit	sc	LD	113
		Rabbit	iv	LD	100-200
		Rabbit	iv	LD	4-30
		Cat	sc	LD	18-60
		Cat	iv	LD	40-60
		Dog	or	LD	90
		Dog	sc	LD	10-20
		Dog	sc	LD	15-25
		Dog	iv	LD	26
		Dog	iv	LD	300[2]
		Pigeon	or	LD	500
		Pigeon	sc	LD	60-80
		Chicken	sc	LD	50-80
		Chicken	sc	LD	55
		Sheep	iv	LD	5
		Horse	or	LD	800-1200[2]
		Horse	iv	LD	700[2]
		Hedgehog	or	LD	4800-9600
		Hedgehog	sc	LD	50
218	Barium fluoride	Frog	sc	LD	1375
		Guinea pig	or	LD	350
		Guinea pig	sc	LD	550
219	Barium silicofluoride	Rat	or	LD_{50}*	175
		Rabbit	or	MLD	175
220	Benadryl	Mouse	or	LD_{50}	164
		Mouse	sc	LD_{50}	127
	(continued on next page)	Mouse	sc	LD_{50}	144±8

/1/Norway rat. /2/Per animal.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
		24 hr	Crawford, U.S. Bur. Plant Ind. Bull 129, 1908.	215
		1½ hr	Ibid	
			Ibid	
			Esser, Deut. Zschr. ger. Med. 25:239, 1935.	
			Esser, Deut. Zschr. ger. Med. 25:239, 1935.	216
		1-8 da	Dieke, Pub. Health Rpt. 61:672, 1946.	
			Esser, Deut. Zschr. ger. Med. 25:239, 1935.	
			Schwartze, U.S. Dept. Agr. Bull. 915, 1920.	
			Esser, Deut. Zschr. ger. Med. 25:239, 1935.	
			Esser, Deut. Zschr. ger. Med. 25:239, 1935.	217
			Ibid	
			Schwartze, U.S. Dept. Agr. Bull. 915, 1920.	
			Ibid	
			Loeser, J. Lab. Clin. Med. 15:35, 1929.	
			Esser, Deut. Zschr. ger. Med. 25:239, 1935.	
			Schwartze, U.S. Dept. Agr. Bull. 915, 1920.	
			Ibid	
			Esser, Deut. Zschr. ger. Med. 25:239, 1935.	
			Ibid	
			Ibid	
			Ibid	
			Schwartze, U.S. Dept. Agr. Bull. 915, 1920.	
			Esser, Deut. Zschr. ger. Med. 25:239, 1935.	
			Schwartze, U.S. Dept. Agr. Bull. 915, 1920.	
			Ibid	
			Esser, Deut. Zschr. ger. Med. 25:239, 1935.	
			Ibid	
			Ibid	
			Schwartze, U.S. Dept. Agr. Bull. 915; 1920.	
			Ibid	
			Ibid	
			Esser, Deut. Zschr. ger. Med. 25:239, 1935.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Simonin, C. rend. Soc. biol. 124:133, 1937.	218
			Ibid	
			Ibid	
			Lehman, Q. Bull. Assoc. F.& D. Off. 15:122, 1951.	219
			Muehlberger, J. Pharm. Exp. Ther. 39:247, 1930.	
			Gruhzit, J. Pharm. Exp. Ther. 89:227, 1947.	220
			Ibid	
			Hoppe, J. Pharm. Exp. Ther. 97:371, 1949.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
220	Benadryl (concluded)	Mouse	ip	LD_{50}	75±5.2
		Mouse	ip	LD_{50}	80±8
		Mouse	ip	LD_{50}	83-85
		Mouse	ip	LD_{50}	74.6
		Mouse	iv	LD_{50}	31±0.8
		Mouse	iv	LD_{50}	35±1
		Rat	or	LD_{50}	500
		Rat	or	LD_{50}	545
		Rat	sc	LD_{50}	474
		Rat	ip	LD_{50}	82
		Rat	ip	LD_{50}	61±9
		Rat	iv	LD_{50}	42
		Rat	iv	LD_{50}	46
		Guinea pig	ip	LD_{50}	75
		Rabbit	iv	LD_{50}	10
		Dog	iv	LD_{50}	24
		Hamster	iv	LD_{50}	18
221	Benemid[1]	Mouse	or	LD_{50}	1666
		Mouse	sc	LD_{50}	1156
		Mouse	iv	LD_{50}	458
		Rat	or	LD_{50}	1604
		Rat	sc	LD_{50}	611
		Rat	ip	LD_{50}	394
		Rabbit	iv	LD_{50}	304
		Dog	iv	LD_{50}	270
222	Bentyl HCl	Mouse	or	LD	625±21
		Rabbit	iv	LD	35±3.3
223	Benzaldehyde	Rat	sc	LD^*	5000
224	Benzedrine[2]	Mouse	ip	LD_{50}	101
		Mouse	iv	LD_{50}*	25
		Rat	or	MLD	4-6
		Rat	ip	MLD	1.5-2.5
225	Benzedrine sulfate	Frog	sc	LD_{50}*	280
		Mouse	or	LD_{50}*	22
		Mouse	sc	LD	25
		Mouse	sc	LD_{50}	270
		Mouse	sc	LD	155
		Mouse	sc	LD	140
		Mouse	ip	LD	92-104
		Mouse	ip	LD	120
		Mouse	ip	LD	50
		Mouse	iv	LD_{50}*	15
		Rat	sc	LD_{50}	30-200
		Rat	sc	MLD	30-200
		Rat	sc	LD	25
		Rat	ip	LD	23
		Rabbit	or	LD_{50}	85[3]
		Rabbit	iv	MLD*	22
		Rabbit	iv	LD	25
		Dog	or	MLD	20

/1/Given as the sodium salt; calculated as free acid. /2/As the base. /3/As a 0.25% solution.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Sherrod, J. Pharm. Exp. Ther. 89:247, 1947.	220
			Hoppe, J. Pharm. Exp. Ther. 97:371, 1949.	
			Way, J. Pharm. Exp. Ther. 104:115, 1952.	
			Reinhard, Proc. Soc. Exp. Biol. Med. 66:512, 1942.	
			Lands, J. Pharm. Exp. Ther. 85:45, 1949.	
			Hoppe, J. Pharm. Exp. Ther. 97:371, 1949.	
			Gruhzit, J. Pharm. Exp. Ther. 89:227, 1947.	
			Sachs, Ann. Int. Med. 29:135, 1948.	
			Gruhzit, J. Pharm. Exp. Ther. 89:227, 1947.	
			Loew, Physiol. Rev. 27:542. 1947.	
		7 da	Winder, J. Pharm. Exp. Ther. 87:121, 1948.	
			Gruhzit, J. Pharm. Exp. Ther. 89:227, 1947.	
			Loew, Physiol. Rev. 27:542, 1947.	
			Ibid	
			Gruhzit, J. Pharm. Exp. Ther. 89:227, 1947.	
			Ibid	
			Hoppe, J. Pharm. Exp. Ther. 97:371, 1949.	
			McKinney, J. Pharm. Exp. Ther. 102:208,1951.	221
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
		1 hr	Brown, J. Am. Pharm. Assoc. 39:305, 1950.	222
		24 min	Ibid	
			Macht, Arch. int. pharmacod. 27:163, 1922-23.	223
			Marsh, J. Pharm. Exp. Ther. 100:298, 1950.	224
			Halpern, J. physiol. path. gén. 37:597, 1939.	
			Hauschild, Arch. exp. Path. Pharm. 191:465,1939.	
			Ibid	
			Günther, J. Pharm. Exp. Ther. 76:375, 1942.	225
			Halpern, J. physiol. path. gén. 37:597, 1939.	
			Ibid	
			Günther, J. Pharm. Exp. Ther. 76:375, 1942.	
			Chakravarti, J. Pharm. Exp. Ther. 67:153, 1939.	
			Heubner, Arch. exp. Path. Pharm. 202:594, 1943.	
			Jacobsen, Skand. Arch. Physiol. 79:258, 1938.	
			Gun, J. Physiol. 95:485, 1939.	
			Heubner, Arch. exp. Path. Pharm. 202:594, 1943.	
			Halpern, J. physiol. path. gén. 37:597, 1939.	
			Ehrich, Am. J. Med. Sc. 198:785, 1939.	
	N saline		Ehrich, Ann. Int. Med. 10:1874, 1937.	
			Hartung, J. Am. Chem. Soc. 53:1875, 1931.	
			Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	
	H_2O		Reifenstein, Proc. Pharm. Soc. p28, 1940.	
			Halpern, J. physiol. path. gén. 37:597, 1939.	
			Hartung, J. Am. Chem. Soc. 53:1875, 1931.	
			Ehrich, Am. J. Med. Sc. 198:785, 1939.	

	Compound	Animal	Route	Dose	Dosage mg/kg Value
226	Benzene	Rat	ip	LD	1.5-1.75cc
		Rat	or	LD$_{50}$	5700
		Guinea pig	ip	LD	527
227	Benzene hexachloride (α)	Rat	or	LD	1700
		Rat	or	LD$_{50}$*	500
228	Benzene hexachloride (β)	Rat	or	LD$_{50}$*	6000
229	Benzene hexachloride (γ)	Mouse	or	LD$_{50}$	86
		Rat	or	LD$_{50}$	177
		Rat	or	LD$_{50}$	200
		Rat	or	LD$_{50}$	125
		Rat	sc	LD$_{50}$	50
		Rat	ip	LD$_{50}$	35-85[1]
		Guinea pig	or	LD$_{50}$	100
		Guinea pig	or	LD$_{50}$	127
		Guinea pig	sc	LD$_{50}$	100
		Rabbit	or	LD$_{50}$	60
		Rabbit	or	LD$_{50}$	200
		Rabbit	ct	LD$_{50}$	>4000[2]
		Rabbit	ct	LD$_{50}$	>180[3]
		Rabbit	sc	LD$_{50}$	75
		Rabbit	iv	LD	4.5-6.0
230	Benzene hexachloride (δ)	Rat	or	LD$_{50}$	900
231	Benzidine	Dog	or	LD	200[4]
		Dog	sc	LD	400[5]
232	Benzilyloxyethyldiethylmethylammonium chloride	Mouse	or	LD$_{50}$	1000
		Mouse	sc	LD$_{50}$	130
		Mouse	ip	LD$_{50}$	62.5
233	Benzilyloxyethyldimethylethylammonium chloride	Mouse	or	LD$_{50}$	1000
		Mouse	sc	LD$_{50}$	160
		Mouse	ip	LD$_{50}$	40
234	Benzilyloxyethyldimethylisopropylammonium chloride	Mouse	sc	LD$_{50}$	75
		Mouse	ip	LD$_{50}$	40
235	Benzilyloxyethyltriethylammonium bromide	Mouse	sc	LD$_{50}$	150
236	Benzilyloxypropyldiethylmethylammonium chloride	Mouse	sc	LD$_{50}$	550
		Mouse	ip	LD$_{50}$	90
237	Benzilyloxypropyldimethylethylammonium chloride	Mouse	sc	LD$_{50}$	650
238	4-Benzilyloxy-1,2,2,6-tetramethylpiperidine methochloride (α)	Mouse	sc	LD$_{50}$	375
		Mouse	ip	LD$_{50}$	80

/1/Amount depending on fatty solvent. /2/Dry. /3/In solution. /4/ Hydrochloride.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
5020-6490			Batchelor, Am. J. Hyg. 7:276, 1927.	226
			Smyth, unpublished data, Mellon Inst.	
			Chassevant, C. rend. Soc. biol. 55:1255, 1898.	
		7 da	Dallemagne, Arch. int. pharmacod. 76:274, 1948.	227
			Lehman, Q. Bull. Assoc. F.& D. Off. 15:122, 1951.	
			Lehman, Q. Bull. Assoc. F.& D. Off. 15:122, 1951.	228
86-125			Div. Pharm. F.& D. Adm. Q. Rpt. 3, March, 1946.	229
			Ibid	
			Dallemagne, Arch. int. pharmacod. 76:274, 1948.	
			Lehman, Q. Bull. Assoc. F.& D. Off. 15:122, 1951.	
			Dallemagne, Arch. int. pharmacod. 76:274, 1948.	
			Coper, Arch. exp. Path. Pharm. 212:463, 1951.	
	Peanut oil		Dallemagne, Arch. int. pharmacod. 76:274, 1948.	
			Woodard, Fed. Proc. 6:386, 1947.	
	Peanut oil		Dallemagne, Arch. int. pharmacod. 76:274, 1948.	
			Woodard, Fed. Proc. 6:386, 1947.	
	Peanut oil		Dallemagne, Arch. int. pharmacod. 76:274, 1948.	
			Lehman, Q. Bull. Assoc. F.& D. Off. 16:3, 1951.	
			Ibid	
	Peanut oil		Dallemagne, Arch. int. pharmacod. 76:274, 1948.	
			McNamara, J. Pharm. Exp. Ther. 92:140, 1948.	
			Taylor, Chem. Indust. 64:314, 1945.	230
		12-24 hr	Adler, Arch. exp. Path. Pharm. 58:167, 1907.	231
		12-24 hr	Ibid	
			Ing, J. Pharm. Exp. Ther. 85:85, 1945.	232
			Ibid	
			Ibid	
			Ing, J. Pharm. Exp. Ther. 85:85, 1945.	233
			Ibid	
			Ibid	
			Ing, J. Pharm. Exp. Ther. 85:85, 1945.	234
			Ibid	
			Ing, J. Pharm. Exp. Ther. 85:85, 1945.	235
			Ing, J. Pharm. Exp. Ther. 85:85, 1945.	236
			Ibid	
			Ing, J. Pharm. Exp. Ther. 85:85, 1945.	237
			Ing, J. Pharm. Exp. Ther. 85:85, 1945.	238
			Ibid	

/5/ Base.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
239	4-Benzilyloxy-1, 2, 2, 6-tetramethylpiperidine methochloride (β)	Mouse	or	LD_{50}	1000
		Mouse	sc	LD_{50}	325
		Mouse	ip	LD_{50}	75
240	Benzimidazole	Mouse	iv	LD_{50}	280±18
241	Benzoic acid (sodium salt)	Frog	sc	LD	100-200
		Rat	iv	LD_{50}	1714±124
		Guinea pig	ip	LD	1400
		Rabbit	or	LD*	2000
		Rabbit	sc	LD*	2000
		Dog	or	LD	2000
242	Benzoic acid butyl ester	Rat	or	LD_{50}	5140
243	Benzoic acid ethyl ester	Rat	or	LD_{50}	6480
244	Benzoic acid methyl ester	Rat	or	LD_{50}	3430
245	Benzoic acid vinyl ester	Rat	or	LD_{50}	3250
246	Benzonitrile	Frog	sc	LD	1700
		Mouse	sc	LD	180
		Rabbit	sc	LD	200
		Pigeon	im	MLD	500
247	Benzothiazole	Mouse	iv	LD_{50}	95±3
248	Benzotriazole	Mouse	iv	LD_{50}	238±16
249	Benzotrichloride	Rat	or	LD_{50}	6000
250	Benzoxazole	Mouse	iv	LD_{50}	179±20
251	3-Benzoxy-6-dimethylamino-4, 4-diphenylheptane	Mouse	sc	LD_{50}	500
252	3-Benzoxy-6-dimethylamino-4, 4-diphenyl-5-methylhexane	Mouse	sc	LD_{50}	500
253	(3-Benzoxyphenyl)methyldiethylammonium bromide	Mouse	iv	LD_{50}	9. 3±1. 7
254	(2-Benzoxyphenyl)trimethylammonium bromide	Mouse	iv	LD_{50}	12±0. 74
255	(4-Benzoxyphenyl)trimethylammonium bromide	Mouse	iv	LD_{50}	7. 65±0. 70
256	Benzyl alcohol	Mouse	sc	LD	1000
		Rat	or	LD_{50}	3100
		Rat	sc	LD	1000-3000
		Guinea pig	sc	LD	1000-2500
		Rabbit	ct	LD_{50}	1260
		Rabbit	sc	LD*	2000
257	Benzylbenzazepine	Mouse	ip	LD_{50}	165±4
		Mouse	iv	LD_{50}	21. 6±4
258	Benzyl benzoate (continued on next page)	Mouse	or	LD_{50}	1. 4
		Rat	or	LD_{50}	1. 7

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Ing, J. Pharm. Exp. Ther. 85:85, 1945.	239
			Ibid	
			Ibid	
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	240
			Flury, Abderhalden's Hdb. 4.7b:1313.	241
			Hager, J. Am. Pharm. Assoc. 31:253, 1942.	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1313.	
			Ibid	
			Ibid	
4700-5620			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	242
5660-7420			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	243
2830-4150			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	244
2480-4260			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	245
			Verbrugge, Arch. int. pharmacod. 5:161, 1899.	246
			Hunt, Arch. int. pharmacod. 12:447, 1904.	
			Verbrugge, Arch. int. pharmacod. 5:161, 1899.	
		50 hr	Meurice, Arch. int. pharmacod. 7:11, 1900.	
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	247
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	248
			Smyth, Arch. Ind. Hyg. Occ. Med. 4:118, 1951.	249
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	250
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	251
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	252
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	253
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	254
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	255
			Macht, J. Pharm. Exp. Ther. 11:263, 1918.	256
2850-3370			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	
			Macht, J. Pharm. Exp. Ther. 11:263, 1918.	
			Ibid	
850-1860			Smyth, unpublished data, Mellon Inst.	
			Macht, J. Pharm. Exp. Ther. 11:263, 1918.	
			Randall, J. Pharm. Exp. Ther. 103:10, 1951.	257
			Ibid	
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	258
			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
258	Benzyl benzoate (concluded)	Guinea pig	or	LD$_{50}$	1
		Rabbit	or	LD$_{50}$	1.8
259	2-Benzyl-4-hydroxymethyl-1,3-dioxolane	Mouse	ip	LD$_{50}$	523.8±44.62
260	Benzylnitrile	Frog	sc	LD	1500
		Mouse	sc	LD	32
		Rabbit	sc	LD	50
		Pigeon	im	MLD	120
261	Benzyltrimethylammonium hydroxide	Mouse	sc	LD	35
262	Beryllium carbonate	Guinea pig	ip	LD$_{50}$	150
263	Beryllium chloride	Rat	ip	LD$_{50}$	4.4
		Guinea pig	ip	LD$_{50}$	56
		Guinea pig	ip	LD$_{100}$	50
264	Beryllium nitrate	Guinea pig	ip	LD$_{50}$	50
265	Beryllium oxyfluoride	Guinea pig	ip	LD$_{100}$	20
266	Beryllium sulfate	Guinea pig	ip	LD$_{100}$	100
		Mouse	iv	LD$_{50}$	0.5
267	Biphenyl	Rat	or	LD$_{50}$	2180
		Rat	or	LD$_{50}$	3280[1]
		Rabbit	or	LD$_{50}$	2410[1]
268	Bis-(3-carbomethoxy-4-hydroxyphenyl)-β-trichloroethane	Rat	or	LD$_{50}$	>500
269	Bis-(β-chloroethyl)amine	Mouse	sc	LD$_{50}$	20-33
270	Bis-(β-chloroethyl)chloroamine	Mouse	sc	LD$_{50}$	360
		Mouse	iv	LD$_{50}$	50
271	N, N'-Bis(2-chloroethyl)-N-2-(chloroethylaminoethyl)-ethylenediamine 3HCl	Mouse	ip	LD$_{50}$	5.6
		Rat	ip	LD$_{50}$	1.9
272	N, N'-Bis(2-chloroethyl)-N, N'-diethylethylenediamine 2HCl	Mouse	ip	LD$_{50}$	3.9
		Rat	ip	LD$_{50}$	2.3
273	Bis-(β-chloroethyl)formamide	Mouse	iv	LD$_{50}$	300-500
274	Bis-(2-chloroethyl)methylamine HCl	Mouse	ip	LD$_{50}$	3.8
		Rat	ip	LD$_{50}$	1.8
275	Bis(β-chloroethyl)morpholinium chloride	Mouse	sc	LD$_{50}$	100
276	Bis(β-chloroethyl)nitrosoamine	Mouse	sc	LD$_{50}$	100-200
277	N,N'-Bis(2-chloroethyl)-1,4-piperazine HCl	Mouse	ip	LD$_{50}$	5.7
		Rat	ip	LD$_{50}$	1.1
278	Bis-(p-chlorophenoxy)methane	Rat	or	LD$_{50}$	5800
279	2, 6-Bis(diethylaminoethoxy)-benzophenone diethiodide	Mouse	iv	LD$_{50}$	1.47
280	2, 5-Bis(3-diethylaminopropylamino)-benzoquinone-bis-benzylchloride	Mouse	or	LD$_{50}$	140±10
		Mouse	sc	LD$_{50}$	2.5±0.1
		Mouse	iv	LD$_{50}$	0.6±0.04
		Rabbit	iv	LD$_{50}$	0.042±0.0035

/1/ 25% solution in olive oil.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Draize, J. Pharm. Exp. Ther. 93:26, 1948. Ibid	258
			Berger, Arch. int. pharmacod. 85:474, 1951.	259
			Verbrugge, Arch. int. pharmacod. 5:161, 1899. Hunt, Arch. int. pharmacod. 12:447, 1904. Verbrugge, Arch. int. pharmacod. 5:161, 1899. Meurice, Arch. int. pharmacod. 7:11, 1900.	260
			Hunt, J. Pharm. Exp. Ther. 28:367, 1926.	261
		4 wk	Hyslop, N.I.H. Bull. 181, 1943.	262
3.3-5.9 48-65		30 da 30 da 4 da	Cochran, Fed. Proc. 9:264, 1950. Ibid Hyslop, N.I.H. Bull. 181, 1943.	263
			Hyslop, N.I.H. Bull. 181, 1943.	264
		4 da	Hyslop, N.I.H. Bull. 181, 1943.	265
		4 da 14 da	Hyslop, N.I.H. Bull. 181, 1943. White, J. Pharm. Exp. Ther. 102:88, 1951.	266
1390-3420	 Olive oil Olive oil	 $1\frac{1}{2}$-2 da $\frac{1}{2}$-6 da	Smyth, unpublished data, Mellon Inst. Deichmann, J. Ind. Hyg. Tox. 29:1, 1947. Ibid	267
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	268
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947.	269
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947. Ibid	270
4.1-7.7 1.1-3.3			Philips, J. Pharm. Exp. Ther. 100:398, 1950. Ibid	271
2.9-5.3 1.5-3.6			Philips, J. Pharm. Exp. Ther. 100:398, 1950. Ibid	272
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947.	273
2.8-5.2 1.1-2.9			Philips, J. Pharm. Exp. Ther. 100:398, 1950. Ibid	274
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947.	275
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947.	276
3.8-8.3 0.95-1.3			Philips, J. Pharm. Exp. Ther. 100:398, 1950. Ibid	277
5000-6000			Spencer, Arch. Ind. Hyg. Occ. Med. 1:341, 1950.	278
			Pelikan, Proc. Pharm. Soc. Fall Meet. p 64, 1951.	279
			Hoppe, J. Pharm. Exp. Ther. 100:333, 1950. Ibid Ibid Ibid	280

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
281	Bis(dimethylamido)fluorophosphate	Mouse	ip	LD_{50}	5
		Mouse	ip	LD_{50}	1.4
		Rat	or	LD_{50}	7.5
		Rat	ip	LD_{50}	5
		Guinea pig	ip	LD_{50}	2.5
		Dog	iv	LD_{50}	5-10
282	2,6-Bis(ethylamino)-4-amino-s-triapine	Mouse	ip	LD_{50}	1.8
		Rat	ip	LD_{50}	0.7
283	1,6-Bis(3,3-ethyleneimidoureido)-n-hexane	Mouse	ip	LD_{50}	5.5
		Rat	ip	LD_{50}	1.5
284	2,3-Bis(3,3-ethyleneiminoureido)toluene	Mouse	ip	LD_{50}	21
		Rat	ip	LD_{50}	11
285	1,10-Bis(9-fluorenyldiethyl-ammonium)decane bromide	Mouse	iv	LD_{50}	0.75
		Rabbit	iv	LD_{50}	0.22
286	1,6-Bis(9-fluorenyldiethyl-ammonium)hexane bromide	Mouse	sc	LD_{50}	19.95
		Mouse	iv	LD_{50}	1.16
		Mouse	iv	LD_{50}	0.11
287	1,6-Bis(9-fluorenyldimethyl-ammonium)hexane bromide	Mouse	or	LD_{50}	280
		Mouse	sc	LD_{50}	240
		Mouse	iv	LD_{50}	1.76
		Rabbit	iv	LD_{50}	0.11
288	2,3-Bis[3-(2-hydroxyethyl)ureido] toluene	Mouse	ip	LD_{50}	>500
		Rat	ip	LD_{50}	>500
289	2,3-Bis-(p-hydroxyphenyl)propionitrile	Rat	sc	LD_{50}*	1500
290	2,3-Bis-(p-hydroxyphenyl)valeronitrile	Mouse	ip	LD_{50}	93±10
		Mouse	or	LD_{50}	2850±300
		Rat	ip	LD_{50}	70±10
		Rat	or	LD_{50}	>3500
291	Bismarsen	Rat	im	LD	500
292	2,7-Bis(trichloromethyl)-4-methyl-1,3,6-trioxepane	Rat	or	LD_{50}	10,000
293	Boric acid	Mouse	or	LD_{50}	3450±158
		Mouse	sc	LD_{50}	1740±130
		Mouse	sc	LD_{50}	2070±170
		Mouse	iv	LD_{50}	1780±121
		Rat	or	LD_{50}	5140
		Rat	or	LD_{50}	2660±220
		Rat	iv	LD_{50}	1330±112
		Guinea pig	sc	LD_{50}	1200±80
		Dog	or	LD_{50}	>1000
294	Borneol	Rabbit	or	LD*	2000

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			DuBois, Arch. Ind. Hyg. Occ. Med. 6:9, 1952.	281
			Okinaka, J. Pharm. Exp. Ther. 112:231, 1954.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
1.35-2.4			Philips, J. Pharm. Exp. Ther. 100:398, 1950.	282
			Ibid	
4.7-6.4			Philips, J. Pharm. Exp. Ther. 100:398, 1950.	283
1.2-1.8			Ibid	
14-32			Philips, J. Pharm. Exp. Ther. 100:398, 1950.	284
			Ibid	
			Macri, Proc. Soc. Exp. Biol. Med. 85:603, 1954.	285
			Ibid	
			Macri, Proc. Soc. Exp. Biol. Med. 85:603, 1954.	286
			Ibid	
			Ibid	
			Macri, Proc. Soc. Exp. Biol. Med. 85:603, 1954.	287
			Ibid	
			Ibid	
			Ibid	
			Philips, J. Pharm. Exp. Ther. 100:398, 1950.	288
			Ibid	
			Sturtevant, J. Pharm. Exp. Ther. 112:176, 1954.	289
			Sturtevant, J. Pharm. Exp. Ther. 112:176, 1954.	290
			Ibid	
			Ibid	
			Ibid	
			Raiziss, Arch. f. Derm. Syph. 28:389, 1933.	291
			Finnegan, Fed. Proc. 10:294, 1951.	292
			Pfeiffer, J. Am. Med. Assoc. 128:266, 1945.	293
			Ibid	
			Ibid	
			Ibid	
4740-5580			Smyth, unpublished data, Mellon Inst.	
			Pfeiffer, J. Am. Med. Assoc. 128:266, 1945.	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1315.	
		Sev hr	Pellacani, Arch. exp. Path. Pharm. 17:368, 1883.	294

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
295	Bovogenin E	Cat	iv	LD_{50}	0.1976
296	Bovoside D	Cat	iv	LD_{50}	0.1118
297	Brilliant green[1]	Mouse	ip	LD_{80}	5
		Mouse	iv	LD_{100}	3
		Rat	ip	LD_{80}	8
		Guinea pig	ip	LD_{80}	3
298	Bromoform	Rabbit	sc	LD*	922
		Rabbit	sc	LD	1751
299	o-Bromophenol	Mouse	sc	LD	350
		Rat	sc	LD	1500-1800
		Guinea pig	sc	LD	1500-1800
300	p-Bromophenyl, phenyl-methylether of β-Dimethylamino ethanol	Mouse	ip	LD_{50}	105±3
301	p-Bromophenyl, phenyl-methylether of Pyrrolidino ethanol	Mouse	ip	LD_{50}	144±2
302	Bromotrichloroethyl malonate	Rat	or	LD_{50}	3400
303	Bromural	Rabbit	or	MLD	1200
		Cat	or	MLD	450
304	Brucine	Dog	iv	LD	8
		Pigeon	sc	MLD	57.98[2]
305	Bufagenine	Cat	iv	LD_{50}	0.22
306	Bufotoxin[3]	Cat	iv	LD_{50}	0.39
		Cat	iv	LD_{50}	0.41
		Cat	iv	LD_{50}	0.27
		Cat	iv	LD_{50}	0.38
307	Bulan	Rat	or	LD_{50}*	330
		Rat	ct	LD_{50}*	>4000
308	Bulbocapnine	Mouse	sc	LD_{50}	195
309	1,3-Butanediamine	Rat	or	LD_{50}	1350
		Rabbit	ct	LD_{50}	480
310	Butanediol	Rat	or	LD_{50}	22,800
311	1,2,4-Butanetriol	Mouse	or	LD	23.31 cc
		Mouse	sc	LD	12.64 cc
		Rat	or	LD	29.40 cc
		Rat	sc	LD	11.37 cc
312	2-Butoxyethanol	Rabbit	or	LD_{50}	350
		Rabbit	ct	LD_{50}	560
313	2(2-Butoxyethoxy)ethanol	Rat	or	LD_{50}	6560
		Guinea pig	or	LD_{50}	2000
		Rabbit	or	LD_{50}	2200
		Rabbit	ct	LD_{50}	4120

/1/ Medical grade. /2/ As the base. /3/ From various toad species.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
0.1382-0.2434	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	295
0.0723-0.1559	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	296
			Anderson, Proc. Soc. Exp. Biol. Med. 31:825, 1934.	297
			Ibid	
			Ibid	
			Ibid	
		12 hr	Binz, Arch. exp. Path. Pharm. 28:201, 1891.	298
		24 hr	Ibid	
			Bechold, Zschr. physiol. Chem. 47:173, 1906.	299
			Binet, Rev. méd. Suisse rom. 16:449, 1896.	
			Ibid	
			Ensor, J. Pharm. Exp. Ther. 112:318, 1954.	300
			Ensor, J. Pharm. Exp. Ther. 112:318, 1954.	301
			Finnegan, Fed. Proc. 10:294, 1951.	302
	H_2O	2 da	Airila, Skand. Arch. Physiol. 28:193, 1913.	303
			Sollmann, J. Am. Med. Assoc. 51:487, 1908.	
			Flury, Abderhalden's Hdb. 4.7b:1316.	304
			Ibid	
			Chen, Proc. Soc. Exp. Biol. Med. 29:905, 1932.	305
			Chen, Proc. Soc. Exp. Biol. Med. 29:907, 1932.	306
			Ibid	
			Ibid	
			Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	307
			Ibid, 16:3, 1952.	
			Molitor, J. Pharm. Exp. Ther. 56:85, 1936.	308
			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	309
310-600			Ibid	
21,800-23,900			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	310
			Bornmann, Arch. exp. Path. Pharm. 210:361, 1950.	311
			Ibid	
			Kopf, Arch. exp. Path. Pharm. 212:405, 1951.	
			Bornmann, Arch. exp. Path. Pharm. 210:361, 1950.	
330-380			Smyth, unpublished data, Mellon Inst.	312
480-640			Ibid	
5470-7860			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	313
1720-2310			Ibid	
2420-3020			Ibid	
2530-6550			Smyth, unpublished data, Mellon Inst.	

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	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
314	2(2-Butoxyethoxy)ethanol acetate	Rat	or	LD_{50}	11,920
		Guinea pig	or	LD_{50}	2340
		Rabbit	or	LD_{50}	2260
315	Butyl acetate	Mouse	or	LD_{50}	7056
		Rat	or	LD_{50}	14,130
316	Butyl acrylate	Rat	or	LD_{50}	3730
		Rabbit	ct	LD_{50}	3360
317	n-Butyl alcohol	Mouse	or	LD_{50}	2835
		Mouse	sc	LD	5022
		Rat	or	LD_{50}	4360
		Rat	ip	LD	972
		Rabbit	ct	LD_{50}	4200
		Cat	iv	LD	243
		Dog	or	LD	1782
		Dog	sc	LD	1944-2268
318	Butyl alcohol (secondary)	Mouse	sc	LD	3232-4040
		Rat	or	LD_{50}	6480
319	Butyl alcohol (tertiary)	Rat	or	LD_{50}	3500
320	n-Butylamine	Rat	or	LD_{50}	500
		Rabbit	ct	LD_{50}	850
321	Butylaminoalcohol	Rat	or	LD_{50}	1150
322	n-Butylaniline	Rat	or	LD_{50}	1620
		Rabbit	ct	LD_{50}	5.99 cc
323	Butylbenzazepine	Mouse	ip	118±6	
		Mouse	iv	15±3	
324	Butyl carbitol	Mouse	ip	LD_{50}	850
		Rat	or	LD_{50}	6560
325	n-Butylcarbitol thiocyanate	Mouse	sc	MLD	200
		Rat	sc	MLD	500
		Cat	or	LD	100
326	2-Butyldioxaspirane	Mouse	ip	LD_{50}	>1422
327	Butylene glycol	Rat	or	LD_{50}	18,610
		Guinea pig	or	LD_{50}	11,460
328	1,3-Butylene glycol	Mouse	or	LD	23.31 cc
		Mouse	sc	LD	16.5 cc
		Rat	or	LD	29.42 cc
		Rat	sc	LD	20.06 cc
329	1,4-Butylene glycol	Mouse	or	LD_{50}	2.14 cc
330	2,3-Butylene glycol	Mouse	or	LD_{50}	9.00 cc
331	n-Butylepinephrine	Mouse	sc	LD	200
332	Butyl ether	Rat	or	LD_{50}	7400
		Rabbit	ct	LD_{50}	10.8 cc

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
10,880-13,100			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	314
1900-2880			Ibid	
2010-2550			Smyth, unpublished data, Mellon Inst.	
			McOmie, Univ. Cal. Publ. Pharmacol. 2:231, 1949.	315
11,840-16,850			Smyth, unpublished data, Mellon Inst.	
2680-5210			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	316
2400-4720			Ibid	
			McOmie, Univ. Cal. Publ. Pharmacol. 2:217, 1949.	317
			Starrek, Dissert., Würzburg 1938.	
3980-4780			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	
			Lendle, Arch. exp. Path. Pharm. 132:214, 1928.	
3600-6000			Smyth, unpublished data, Mellon Inst.	
			Macht, J. Pharm. Exp. Ther. 16:1, 1921.	
			Dujardin, C. rend. Acad. sc. 81:192, 1875.	
			Ibid	
			Starrek, Dissert., Würzburg 1938.	318
5730-7320			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	
			Schaffarzick, Science 116:663, 1952.	319
			Smyth, J. Ind. Hyg. Tox. 26:269, 1944.	320
600-1190			Smyth, unpublished data, Mellon Inst.	
1040-1270			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	321
1240-2130			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	322
3.57-10.07 cc			Ibid	
			Randall, J. Pharm. Exp. Ther. 103:10, 1951.	323
			Ibid	
		72 hr	Karel, Fed. Proc. 6:342, 1947.	324
5420-7860			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	
		2-4 hr	Von Oettingen, J. Ind. Hyg. Tox. 18:310, 1936.	325
		3/4+ hr	Ibid	
		28 hr	Ibid	
			Berger, Arch. int. pharmacod. 85:474, 1951.	326
17,430-19,880			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	327
10,290-12,770			Ibid	
			Fischer, Zschr. ges. exp. Med. 115:22, 1949.	328
			Ibid	
			Ibid	
			Ibid	
			Fischer, Zschr. ges. exp. Med. 115:22, 1949.	329
			Fischer, Zschr. ges. exp. Med. 115:22, 1949.	330
			Konzett, Klin. Wschr. 19:1303, 1940	331
6410-8530			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	332
4.41-23.04 cc			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
333	n-Butyl-DL-malate	Mouse	or	LD_{50}	20 cc
334	n-Butylmethacrylate	Rat	or	LD_{100}	17,900
		Rabbit	or	LD_{50}	9000
335	N-sec.-Butylphthalimide	Mouse	or	LD_{50}	1.6 cc
		Rat	or	LD_{50}	1.1 cc
		Guinea pig	or	LD_{50}	1.2 cc
		Rabbit	or	LD_{50}	2.3 cc
336	Butyl stearate	Rat	or	LD	>32,000
337	Butyl-K-strophanthidin (Iso-)	Cat	iv	LD	0.43
338	n-Butyl-K-strophanthidin	Rabbit	iv	LD	0.50
		Cat	iv	LD	0.35
339	N-Butyl-1,2,3,6-tetrahydro-naphthylamide	Mouse	or	LD_{50}	3.3 cc
		Rat	or	LD_{50}	2.5 cc
340	n-Butyl thiocyanate	Mouse	sc	MLD	124
		Rat	sc	MLD	67
		Cat	or	MLD	191
341	p-tert.-Butyltoluene	Mouse♂	or	LD_{50}	0.9±0.06 cc
		Rat♂	or	LD_{50}	1.8±0.14 cc
		Rabbit♂	or	LD_{50}	2.0±0.14 cc
342	n-Butyltrimethylammonium iodide	Mouse	ip	LD_{50}	19
343	Butyn sulfate	Frog	sc	MLD	100-150
		Mouse	sc	LD	100
		Rat	sc	MLD	197
		Rat	sc	LD	150
		Rat	iv	MLD	7.5-10.0
		Guinea pig	sc	MLD	>70
		Rabbit	sc	MLD	50-55
		Rabbit	iv	MLD	12
		Cat	sc	MLD	30-55
		Cat	iv	MLD	15
		Dog	sc	MLD	55
344	Butyraldehyde	Mouse	sc	LD_{50}	6170
		Rat	or	LD_{50}	5890
		Rat	sc	LD_{50}	10,000
		Rabbit	ct	LD_{50}	3560
345	Butyric acid	Rat	or	LD_{50}	2940
		Rat	or	LD_{50}	8790
		Rabbit	ct	LD_{50}	6.35 cc
346	Butyric anhydride	Rat	or	LD_{50}	8790
		Rabbit	ct	LD_{50}	6350
347	Butyronitrile	Frog	sc	MLD	3100
		Rabbit	sc	MLD	10
		Pigeon	im	MLD	1100

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	333
		10-36min	Deichmann, J. Ind. Hyg. Tox. 23:343, 1941.	334
		10-36min	Ibid	
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	335
			Ibid	
			Ibid	
			Ibid	
			Smith; Arch. Ind. Hyg. Occ. Med. 7:310, 1953.	336
			Neumann, Arch. exp. Path. Pharm. 185:328, 1937.	337
			Neumann, Arch. exp. Path. Pharm. 185:328, 1937.	338
			Ibid	
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	339
			Ibid	
		1-4 hr	Von Oettingen, J. Ind. Hyg. Tox. 18:310, 1936.	340
		2$\frac{1}{2}$-7 hr	Ibid	
		7 hr	Ibid	
		24-48 hr	Hine, Arch. Ind. Hyg. Occ. Med. 9:227, 1954.	341
		24-48 hr	Ibid	
		24-48 hr	Ibid	
			Alles, Univ. Cal. Publ. Pharmacol. 1:187, 1939.	342
			Hirschfelder, Physiol. Rev. 12:262, 1932.	343
			Schmitz, J. Pharm. Exp. Ther. 24: 167, 1925.	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
			Schmitz, J. Pharm. Exp. Ther. 24:167, 1925.	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
		24 hr	Skog, Acta pharm. tox. 6:299, 1950.	344
5540-6250			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	
		24 hr	Skog, Acta. pharm. tox. 6:299, 1950.	
2200-5760			Smyth, unpublished data, Mellon Inst.	
2010-4290			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	345
8060-9580			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	
3.99-10.28 cc			Ibid	
8060-9580			Smyth, unpublished data, Mellon Inst.	346
3,940-10,230			Ibid	
			Verbrugge, Arch. int. pharmacod. 5:161, 1899.	347
			Ibid	
			Meurice, Arch. int. pharmacod. 7:11, 1900.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
348	Cacodylic acid	Guinea pig	sc	LD	1000
		Rabbit	sc	LD	300
		Rabbit	iv	LD	250
		Dog	sc	LD	1000
349	Cadmium chloride	Frog	sc	LD	30
		Mouse	sc	LD	20
		Rat	or	LD$_{50}$*	88
		Rabbit	or	LD	70-150
		Rabbit	sc	LD	25-50
		Rabbit	iv	LD	2
		Cat	sc	LD	25-40
		Dog	iv	LD	5
350	Cadmium sulfate	Dog	sc	LD	27
		Dog	sc	LD	105
351	Caffeine	Frog	sc	LD	120-130
		Mouse	sc	LD	180-190
		Mouse	ip	MLD	220
		Mouse	ip	LD	500
		Mouse	ip	LD	250
		Mouse	iv	LD$_{50}$	100.9±6.67
		Rat	or	LD$_{50}$	200
		Rat	or	LD$_{50}$	233±14
		Rat	sc	LD	70-130
		Rat	sc	LD	250
		Rat	ip	MLD	210-280
		Rat	iv	LD$_{50}$	104.8±1.87
		Guinea pig	sc	MLD	200-240
		Guinea pig	ip	MLD	220-250
		Rabbit	or	MLD	290-350
		Rabbit	or	LD	350-360
		Rabbit	sc	MLD	200-300
		Rabbit	sc	LD	270-280
		Rabbit	im	LD	200
		Rabbit	iv	LD	80-100
		Cat	or	MLD	100-150
		Cat	sc	MLD	150
		Cat	sc	LD	150-155
		Cat	ip	MLD	180-200
		Cat	iv	MLD	80-100
		Dog	or	MLD	140-150
		Dog	sc	MLD	500
		Dog	sc	LD	110
		Dog	iv	LD$_{50}$*	175
		Cat	iv	LD^{1}	175
352	Calcium acetate	Mouse	iv	LD$_{50}$	226
		Mouse	iv	LD$_{50}$	204
		Rat	or	LD$_{50}$	4280
		Rat	iv	LD$_{50}$	245

/1/Reference indicates this as an average lethal dose.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Heffter, Heffter's Hdb. 3.1: 503.	348
			Ibid	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1317.	349
			Ibid	
			Lehman, Q. Bull. Assoc. F.& D. Off. 16:122, 1951.	
			Flury, Abderhalden's Hdb. 4.7b:1317.	
			Ibid	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1317.	
			Flury, Abderhalden's Hdb. 4.7b:1317.	350
			Ibid	
		4-5 da	Führner, Arch. exp. Path. Pharm. 166:455, 1932.	351
		2-3 da	Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1336.	
			Rpt. Chemother. Leukemia, So. Res. Inst. Aug. 1949.	
			Ibid	
			Scott, J. Pharm. Exp. Ther. 82:89, 1944.	
			Smith, J. Pharm. Exp. Ther. 55:200, 1935.	
			Scott, J. Pharm. Exp. Ther. 82:89, 1944.	
			Flury, Abderhalden's Hdb. 4.7b:1336.	
		2 hr	Kreitmair, Arch. exp. Path. Pharm. 87:607, 1937.	
			Flury, Abderhalden's Hdb. 4.7b:1335.	
			Scott, J. Pharm. Exp. Ther. 82:89, 1944.	
			Flury, Abderhalden's Hdb. 4.7b:1335.	
			Ibid	
			Ibid	
			Salant, J. Pharm. Exp. Ther. 1:572, 1910.	
			Flury, Abderhalden's Hdb. 4.7b:1335.	
		1-4 hr	Salant, J. Pharm. Exp. Ther. 1:572, 1910.	
		4 hr	Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1335.	
			Ibid	
			Ibid	
		1 hr±	Salant, J. Pharm. Exp. Ther. 1:572, 1910.	
			Flury, Abderhalden's Hdb. 4.7b:1335.	
			Ibid	
			Ibid	
			Ibid	
		Few hr	Salant, J. Pharm. Exp. Ther. 1:572, 1910.	
			Pilcher, J. Pharm. Exp. Ther. 3:19, 1911-12.	
			Sollmann, J. Pharm. Exp. Ther. 3:19, 1911-12.	
			Welch, J. Lab. Clin. Med. 29:811, 1944.	352
		<1-1 hr	Cole, J. Pharm. Exp. Ther. 71:1, 1941.	
3860-4760			Smyth, unpublished data, Mellon Inst.	
			Cole, J. Pharm. Exp. Ther. 71:1, 1941.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
353	Calcium arsenate	Rat	or	LD	20
		Rabbit	or	LD	40
354	Calcium chlorate	Rat	or	LD_{50}	4500[1]
		Rat	ip	LD_{50}	625[1]
355	Calcium chloride	Rat	or	LD_{50}	4000[1]
		Rat	ip	LD_{50}	500[1]
		Rat	iv	MLD	168.7
		Rabbit	or	LD	1384
		Rabbit	sc	LD	472
		Rabbit	iv	LD	274
		Cat	sc	LD	249
		Cat	iv	LD	249
		Dog	sc	LD	274
		Dog	iv	LD	274
356	Calcium fluoride	Frog	sc	LD	>25,000
		Guinea pig	or	LD	>5000
		Guinea pig	sc	LD	>5000
357	Calcium hydroxide	Rat	or	LD_{50}	7340
358	Calcium silicofluoride	Frog	sc	LD	375
		Guinea pig	or	LD	250
		Guinea pig	sc	LD	450
359	Camphor	Frog	sc	LD	3000-3400
		Mouse	sc	LD	2200-2400
		Rat	sc	MLD	2200[2]
		Rat	sc	MLD	1700[3]
		Rat	ip	LD_{50}	900[4]
		Cat	ip	LD	400
360	Cantharidin	Rabbit	sc	LD	100
361	Capronitrile	Frog	sc	MLD	1600[5]
		Rabbit	sc	LD	0.25 cc[6]
		Pigeon	im	MLD	290[5]
362	Captan	Rat	or	LD_{50}	15,000
		Rat	ip	LD_{50}	50-100
363	Carbamylcholine chloride	Mouse	or	LD_{50}	15
		Mouse	sc	LD_{50}	3
		Mouse	iv	LD_{50}	0.3
		Rat	or	LD_{50}	40
		Rat	sc	LD_{50}	4
		Rat	iv	LD_{50}	0.1
		Guinea pig	sc	LD	0.075
364	Carbarsone	Rat	or	LD_{50}	510±40[7]
		Rat	or	MLD	6500
		Rat	or	MLD	>7000
		Rat	im	MLD	400
		Rat	iv	MLD	300
		Rat	iv	MLD	1500

/1/Anhydrous salt. /2/20% solution of natural camphor in olive oil. /3/20% solution of synthetic n-capronitrile. /7/Trivalent analogue of Carbarsone: p-Carbamidophenylarsenous acid.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Pers. Comm. Food and Drug Adm.	353
			Ibid	
		1 hr	Ulrich, J. Pharm. Exp. Ther. 35:1, 1929.	354
		1 hr	Ibid	
		1 hr	Ulrich, J. Pharm. Exp. Ther. 35: 1, 1929.	355
		1 hr	Ibid	
			Cole, J. Pharm. Exp. Ther. 71:1, 1941.	
			Flury, Abderhalden's Hdb. 4. 7b:1316.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Simonin, C. rend. Soc. biol. 124:133, 1937.	356
			Ibid	
			Ibid	
4, 830-11, 140			Smyth, unpublished data, Mellon Inst.	357
			Simonin, C. rend. Soc. biol. 124:133, 1937.	358
			Ibid	
			Ibid	
		24-36 hr	Fühner, Arch. exp. Path. Pharm. 166:445, 1932.	359
	Par oil	6 hr	Ibid	
	Olive oil	42 hr	Christensen, J. Am. Pharm. Assoc. 26:786, 1937.	
	Olive oil		Ibid	
	Olive oil		Sampson, J. Pharm. Exp. Ther. 65:275, 1939.	
	Oil		Flury, Abderhalden's Hdb. 4. 7b:1318.	
			Flury, Abderhalden's Hdb. 4. 7b:1318.	360
			Verbrugge, Arch. int. pharmacod. 5:161, 1899.	361
			Lang, Arch. exp. Path. Pharm. 34:252, 1894.	
			Meurice, Arch. int. pharmacod. 7:11, 1900.	
			Smyth, unpublished data, Mellon Inst.	362
			Ibid	
		24 hr	Molitor, J. Pharm. Exp. Ther. 58:337, 1936.	363
		24 hr	Ibid	
		24 hr	Ibid	
		24 hr	Ibid	
		24 hr	Ibid	
			Ibid	
			Kreitmair, Arch. exp. Path. Pharm. 164:346, 1932.	
			Anderson, Fed. Proc. 5:1, 1946.	364
			Gabaldon, Am. J. Hyg. 23:122, 1936.	
			Nelson, J. Pharm. Exp. Ther. 63:122, 1938.	
			Ibid	
			Ibid	
	H_2O		Gabaldon, Am. J. Hyg. 23:122, 1936.	

camphor in olive oil. /4/20% solution in olive oil. /5/Isocapronitrile. /6/Per animal;

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
365	Carbazole	Rat	or	LD_{50}	>5000
366	Carbitol	Mouse	or	LD_{50}	6600
		Mouse	or	LD_{50}	6580
		Mouse	or	LD_{50}	12,375
		Mouse	sc	LD_{50}	2500-6000
		Mouse	ip	LD_{50}	>2000
		Mouse	iv	LD_{50}	4257
		Rat	or	LD_{50}	6500-9770
		Rat	or	LD_{50}	5540
		Rat	sc	LD_{50}	6000
		Guinea pig	or	LD_{50}	3670-4970
		Guinea pig	or	LD_{50}	6580
		Rabbit	iv	LD_{50}	2500
		Cat	sc	LD_{50}*	1500
		Cat	iv	LD_{50}*	4200
		Dog	iv	LD_{50}	3000
367	Carbitol acetate	Rat	or	LD_{50}	11,000
368	Carbitol solvent	Rat	or	LD_{50}	9050
369	2-Carbomethoxy-5-acetaminofuran	Rat	or	LD_{50}	1200
370	Carbon disulfide	Rabbit	sc	LD	300
371	Carbon tetrachloride	Mouse	or	LD_{50}	12,800^{1}
		Mouse	sc	LD	32,000
		Rat	or	LD_{50}	7460
		Rat	ct	LD_{50}	6670
		Rabbit	or	LD	6380-9975
		Cat	sc	LD_{33}	4785
		Dog	or	LD	4000
		Dog	or	LD	25,000
		Dog	iv	MLD	125
372	2-Carboxymethylmercaptobenzene-stibonic acid	Mouse	or	LD_{50}	5000
		Mouse	sc	LD_{50}	2520^{2}
		Mouse	iv	LD_{50}	965^{2}
		Guinea pig	ip	LD_{50}	350^{2}
		Rabbit	iv	LD_{50}	186^{2}
		Hamster	ip	LD_{50}	550^{2}
373	Caronamide	Mouse	or	LD_{50}	2450±219
		Mouse	sc	LD_{50}	1650±103
		Mouse	iv	LD_{50}	1405±40
		Rabbit	iv	LD	1320
		Dog	iv	LD	1575
374	Carvacrol	Frog	sc	LD	75
		Rabbit	or	LD	100
		Rabbit	sc	LD	1000
		Cat	or	LD	100

/1/Pure. /2/Calcium salt.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	365
			Hanzlik, J. Ind. Hyg. Tox. 29:190, 1947.	366
5940-7630			Laug, J. Ind. Hyg. Tox. 21:173, 1939.	
		3 hr	Latven, J. Pharm. Exp. Ther. 65:89, 1939.	
			Hanzlik, J. Ind. Hyg. Tox. 29:190, 1947.	
			Ibid	
		3 hr	Latven, J. Pharm. Exp. Ther. 65:89, 1939.	
			Hanzlik, J. Ind. Hyg. Tox. 29:190, 1947.	
5330-5730			Laug, J. Ind. Hyg. Tox. 21:173, 1939.	
			Hanzlik, J. Ind. Hyg. Tox. 29:190, 1947.	
			Ibid	
5940-7630			Laug, J. Ind. Hyg. Tox. 21:173, 1939.	
			Hanzlik, J. Ind. Hyg. Tox. 29:190, 1947.	
			Ibid	
			Ibid	
			Ibid	
10,400-11,590			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	367
8430-9720			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	368
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	369
			Lewin, Arch. path. anat. 78:113, 1879.	370
			Dybing, Acta. pharm. tox. 2:233, 1946.	371
		24 hr	Führer, Arch. exp. Path. Pharm. 97:86, 1923.	
5730-9770			Smyth, unpublished data, Mellon Inst.	
5070-8780			Ibid	
			Lamson, J. Pharm. Exp. Ther. 22:215, 1923.	
			Cantarow, J. Pharm. Exp. Ther. 63:153, 1938.	
		24 hr	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	
			Lamson, J. Pharm. Exp. Ther. 22:215, 1923.	
	Oil	30 min	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	
	G arabic		Schnitzer, Arch. int. pharmacod. 85:100, 1951.	372
	H_2O		Ibid	
	H_2O		Ibid	
	H_2O		Ibid	
	H_2O		Ibid	
	H_2O		Ibid	
			Beyer, J. Pharm. Exp. Ther. 91:263, 1947.	373
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Kochmann, Arch. exp. Path. Pharm. 161:196, 1931.	374
			Ibid	
			Ibid	
			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
375	Castrix	Rat	or	LD_{50}*	1.7
376	Catechol	Frog	sc	LD	160-180
		Mouse	sc	LD	140-160
		Mouse	ip	LD	31.3-2000
		Rat	or	LD_{50}	3890
		Rat	sc	LD	200-250
		Guinea pig	sc	LD	200-250
		Guinea pig	ip	LD	150
		Rabbit	or	LD*	1000
		Dog	iv	LD	40-50
377	Caudoside	Cat	iv	LD_{50}	0.9592
378	Ceepryn chloride	Mouse	ip	LD_{50}*	5-10
		Mouse	ip	LD_{50}	10
		Rat	or	LD_{50}	200
		Rat	sc	LD_{50}	250
		Rat	ip	LD_{50}	6
		Rat	ip	LD_{50}*	25
		Rat	iv	LD_{50}	30
		Guinea pig	ip	LD_{50}	15
		Guinea pig	ip	LD_{50}*	10
		Rabbit	or	LD_{66}	500
		Rabbit	or	LD_{50}	400
		Rabbit	sc	LD_{50}	300
		Rabbit	ip	LD_{50}*	20-25
		Rabbit	ip	LD_{50}	25
		Rabbit	iv	LD_{50}	35
379	Celliamine	Rabbit	iv	LD	5-7
380	Cephaleine HCl	Rat	sc	LD	6.5
		Rat	ip	LD_{50}	9.91
		Guinea pig	sc	LD	8
381	Cerium chloride	Frog	sc	LD	300-1000
		Mouse	sc	LD	1000-5000
		Rat	sc	LD	4000
		Rat	iv	MLD	87.5-105
		Guinea pig	sc	LD	1000-2000
382	Cesium bromide	Rat	ip	LD_{50}	1400
383	Cesium chloride	Mouse	ip	LD_{50}	1683
		Rat	ip	LD_{50}	1500
384	Cesium hydroxide	Rat	ip	LD_{50}	100
385	Cesium iodide	Rat	ip	LD_{50}	1400
386	Cesium nitrate	Rat	ip	LD_{50}	1200
387	Cevadine	Frog	sc	LD	15-30
		Frog	sc	LD	1.5
		Mouse	ip	LD_{50}	3.5
		Rabbit	sc	LD	0.5-1.3

/1/ 5% solution.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	375
		2-3 da	Führner, Arch. exp. Path. Pharm. 166:446, 1932.	376
		Sev hr	Ibid	
			Rpt. Chemother. Leukemia, So. Res. Inst.	
2080-7260			Smyth, unpublished data, Mellon Inst.	
			Binet, Rev. méd. Suisse rom. 15:561, 1885.	
			Ibid	
			Chassevant, Arch. int. pharmacod. 14:93, 1905.	
			Boruttau, Dissert., Berlin, 1892.	
			Gibbs, Dubois' Arch. f. Physiol. p344, 1890.	
0.6310-1.923	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	377
			Warren, J. Pharm. Exp. Ther. 74:401, 1942.	378
			Lehman, Q. Bull. Assoc. F. & D. Off. 18:43, 1954.	
			Ibid	
			Ibid	
			Ibid	
			Warren, J. Pharm. Exp. Ther. 74:401, 1942.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 18:43, 1954.	
			Ibid	
			Warren, J. Pharm. Exp. Ther. 74:401, 1942.	
		1-6 da	Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 18:43, 1954.	
		1-6 da	Warren, J. Pharm. Exp. Ther. 74:401, 1942.	
		6-96 hr	Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 18:43, 1954.	
		30-35min	Warren, J. Pharm. Exp. Ther. 74:401, 1942	
			Franzen, Arch. exp. Path. Pharm. 159:183, 1931.	379
			Walters, J. Pharm. Exp. Ther. 10:73, 1917.	380
	H_2O		Radomski, J. Pharm. Exp. Ther. 104:421, 1952.	
			Walters, J. Pharm. Exp. Ther. 10:73, 1917.	
			Flury, Abderhalden's Hdb. 4. 7b:1320.	381
			Ibid	
			Ibid	
			Maxwell, J. Pharm. Exp. Ther. 43:61, 1931.	
			Flury, Abderhalden's Hdb. 4. 7b:1320.	
			Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	382
			Alles, Univ. Cal. Publ. Pharmacol. 1:187, 1939.	383
			Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	
			Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	384
			Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	385
			Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	386
			Krayer, Physiol. Rev. 26:383, 1946.	387
			Ibid	
2.7-4.4			Swiss, Proc. Soc. Exp. Biol. Med. 76:847, 1951.	
			Krayer, Physiol. Rev. 26:383, 1946.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
388	Cevine	Mouse	iv	LD_{50}	87
		Rat	ip	LD_{50}	67
389	Chelidonine sulfate	Frog	sc	LD	300-400
		Mouse	sc	LD	300-400
		Rat	sc	LD	300-400
		Guinea pig	sc	LD	300-400
		Rabbit	sc	LD	300-400
390	Chiniofon	Frog	sc	LD	240
		Mouse	sc	LD	630
		Rat	or	MLD	3000
		Rat	sc	MLD	600
		Rat	im	MLD	1000
		Rat	iv	MLD	500
		Guinea pig	or	LD_{50}	900
		Rabbit	sc	LD	600[1]
		Cat	sc	LD	360
391	Chloral acetamide	Rat	or	LD_{50}	3100
392	Chloral hydrate	Frog	sc	LD	900-950
		Mouse	sc	LD	800-850
		Mouse	ip	MLD	600-700
		Rat	or	LD	1100[2]
		Rat	or	LD_{50}	800
		Rat	or	LD	1500-2000
		Rat	or	LD_{50}	500
		Rat	sc	LD	620
		Rabbit	or	LD	1400
		Rabbit	or	LD_{100}	1300-1500
		Rabbit	sc	LD	1000
		Rabbit	rt	LD	1000
		Cat	or	LD_{25}	500
		Cat	or	MLD	440
		Dog	or	LD_{80}	1100
393	2-Chlorallylidene-3, 3-diacetate	Rat	or	LD_{50}	320
		Rabbit	ct	LD_{50}	980
394	Chloralose	Rat	or	LD_{100}*	400
		Rat	sc	LD_{100}	200
		Rabbit	sc	LD	80
		Cat	or	LD*	600
		Cat	ip	LD*	150
		Dog	or	LD*	600
		Dog	iv	LD	120
395	Chlorcyclozine HCl	Mouse	ip	LD_{50}	137
396	Chlordan(e)	Mouse	or	LD_{50}	430
		Rat	or	LD_{50}	200-250
		Rat	or	LD_{50}	470
	(continued on next page)	Rat	or	LD_{50}	590

/1/ Wide variation in experimental data. /2/ 3% solution in H_2O.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Krayer, J. Pharm. Exp. Ther. 82:167, 1944.	388
			Krayer, Physiol. Rev. 26:383, 1946.	
			Hanzlik, J. Am. Med. Assoc. 75:1324, 1920.	389
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Schübel, Klin. Wschr. 318: 1924.	390
			Ibid	
			Nelson, J. Pharm. Exp. Ther. 63:122, 1938.	
			Schübel, Klin. Wschr. 318: 1924.	
			Nelson, J. Pharm. Exp. Ther. 63:122, 1938.	
			Ibid	
			Anderson, Proc. Soc. Exp. Biol. Med. 28:484, 1931.	
			Schübel, Klin. Wschr. 318: 1924.	
			Ibid	
			Finnegan, Fed. Proc. 10:294, 1951.	391
		Sev hr	Führer, Arch. exp. Path. Pharm. 166:441, 1932.	392
		1 hr	Ibid	
			Franklin, J. Pharm. Exp. Ther. 42:1, 1931.	
	H_2O		Burtner, J. Pharm. Exp. Ther. 63:183, 1938.	
			Adams, J. Pharm. Exp. Ther. 78:340, 1943.	
			Bräutigam, Arztl. Forsch. 7:115, 1953.	
			Finnegan, Fed. Proc. 10:294, 1951.	
			Gros, Arch. exp. Path. Pharm. 182:348, 1936.	
		>10 hr	Lendle, Arch. exp. Path. Pharm. 132:214, 1928.	
			Adams. J. Pharm. Exp. Ther. 78:340, 1943.	
		30 min	Lewin, Zschr. exp. Path. Ther. 18:61, 1916.	
			Lendle, Arch. exp. Path. Pharm. 132:214, 1928.	
			Adams, J. Pharm. Exp. Ther. 78:340, 1943.	
			Sollmann, J. Am. Med. Assoc. 51:487, 1908.	
			Adams, J. Pharm. Exp. Ther. 78:340, 1943.	
210-500			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	393
680-1400			Ibid	
			Camus, C. rend. Soc. biol. 54:268, 1902.	394
			Ibid	
			Heffter, Berl. klin. Wschr. 30:475, 1893.	
			Henriot, Arch. int. pharmacod. 3:191, 1897.	
			Ibid	
			Ibid	
			Ibid	
			Castillo, J. Pharm. Exp. Ther. 96:388, 1949.	395
			Div. Pharm. F.& D. Adm. Q. Rpt. 3, March 1947.	396
	Olive oil		Stohlman, Arch. Ind. Hyg. Occ. Med. 1:13, 1950.	
			Div. Pharm. F.& D. Adm. Q. Rpt. 3, March 1947.	
	Cot oil		Ambrose, Fed. Proc. 12:298, 1953.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
396	Chlordan(e) (concluded)	Rat	ip	LD_{50}	200
		Rabbit	or	LD_{50}	300
		Rabbit	or	LD_{50}	100
		Rabbit	ct	LD_{50}	<780
		Rabbit	iv	LD_{74}	20
397	Chlorethamine	Rat	im	LD_{50}	150
398	Chloretone	Frog	sc	MLD	800
		Rabbit	or	MLD	213
		Dog	or	MLD	238
399	Chloroacetic acid	Mouse	or	LD_{50}	255
		Rat	or	LD_{50}	76
		Guinea pig	or	LD_{50}	80
400	4-Chloro-2-aminobenzothiazole	Mouse	or	LD_{50}	2400±145
		Mouse	iv	LD_{50}	71±2
401	5-Chloro-2-aminobenzothiazole	Mouse	iv	LD_{50}	92±6
402	6-Chloro-2-aminobenzothiazole	Mouse	or	LD_{50}	398±113
		Mouse	iv	LD_{50}	76±4
403	7-Chloro-2-aminobenzothiazole	Mouse	iv	LD_{50}	77±5
404	Chloroarsen	Mouse	ip	LD_{50}	41±1.8
405	N-(p-Chlorobenzhydryl)-N-methylpiperazine HCl	Mouse	or	LD_{50}	300
		Mouse	sc	LD_{50}	200
		Mouse	ip	LD_{50}*	100
		Mouse	iv	LD_{50}	35
		Rat	ip	LD_{50}	100
		Guinea pig	ip	LD_{50}	100
		Cat	ip	LD_{50}	75
		Dog	ip	LD_{50}	125-150
406	(3-m-Chlorobenzoxyphenyl)-trimethylammonium bromide	Mouse	iv	LD_{50}	11.0±2.2
407	(3-p-Chlorobenzoxyphenyl)-trimethylammonium bromide	Mouse	iv	LD_{50}	13.75±2.0
408	1-Chlorobutane	Rat	or	LD_{50}	2670
409	p-Chloro-m-cresol	Mouse	sc	LD_{50}	360
		Mouse	iv	LD_{50}	70
		Rat	sc	LD_{50}	400
410	3-Chloro-6-dimethylamino-4, 4-diphenylheptane	Mouse	sc	LD_{50}	325
411	2-Chloroethylacrylate	Rat	or	LD	180
412	2-Chloroethyl vinyl ether	Rat	or	LD_{50}	210
				LD_{50}	2410

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
	Olive oil		Stohlman, Arch. Ind. Hyg. Occ. Med. 1:13, 1950.	396
	Olive oil		Ibid	
	Tween 20		Ibid	
			Lehman, Q. Bull. Assoc. F.& D. Off. No. 3, 1952.	
	Tween 20		Stohlman, Arch. Ind. Hyg. Occ. Med. 1:13, 1950.	
			Boyd, Exp. Med. Surg. 4:223, 1951.	397
			Impens, Arch. int. pharmacod. 8:77, 1901.	398
			Ibid	
			Ibid	
196-334		36 hr	Woodard, J. Ind. Hyg. Tox. 23:78, 1941.	399
70.7-82.2		36 hr	Ibid	
71.8-88.6		36 hr	Ibid.	
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	400
			Ibid	
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	401
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	402
			Ibid	
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	403
			Beck, Proc. Soc. Exp. Biol. Med. 78:392, 1951.	404
			Roth, Arch. int. pharmacod. 80:378, 1949.	405
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	406
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	407
2320-3060			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	408
			Wien, Q. J. Pharm. Pharmacol. 12:212, 1939.	409
		5-10 min	Ibid	
			Ibid	
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	410
			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	411
180-250			Smyth, unpublished data, Mellon Inst.	412
1970-2940			Ibid	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
413	Chloroform	Mouse	sc	LD	909
		Rat	or	LD_{50}	2180
		Rabbit	or	LD	9827
		Rabbit	sc	LD*	900-1000
		Dog	or	MLD	2250
		Dog	iv	MLD	90
414	p-Chloromercuribenzoate	Mouse	sc	LD_{50}	75.9±2.7
415	Chloro-β-naphthol	Mouse	sc	LD	540
416	1-Chloro-1-nitroethane	Rabbit	or	MLD	100-150
417	1-Chloro-1-nitropropane	Rat	or	LD	50-100
418	2-Chloro-2-nitropropane	Rabbit	or	LD	500-750
419	m-Chlorophenol	Frog	sc	LD	250
		Rat	or	LD	570^1
		Rat	sc	LD	1390^1
		Rabbit	iv	LD	65
420	o-Chlorophenol	Frog	sc	LD	400
		Rat	or	LD	670^2
		Rat	sc	LD	950^2
		Rabbit	iv	LD	120
421	p-Chlorophenol	Frog	sc	LD	150
		Mouse	sc	MLD	600
		Rat	or	LD	670^3
		Rat	sc	LD	1030^2
		Rabbit	sc	LD	950
		Rabbit	iv	LD	65
422	3-(p-Chlorophenyl)-1,1-dimethylurea	Rat	or	LD_{50}*	3500
423	Chlorophyllin	Mouse	ip	LD_{50}	400
		Mouse	iv	LD_{50}	285
424	Chloropicrin	Rabbit	ip	LD	500
		Rabbit	iv	MLD	10^4
		Cat	sc	LD*	10
425	1-Chloro-2-propanol	Rabbit	ct	LD_{50}	480
426	1-Chloropropene	Rat	or	LD_{50}	1950
427	2-Chloropropyldimethylamine	Mouse	sc	LD_{50}	200
428	Chlorostyrene	Rat	or	LD_{50}	5200
		Rabbit	ct	LD_{50}	20,000
429	Chlorothion	Rat	or	LD_{50}*	1500
		Rat	ip	LD_{50}*	750
430	2-Chloro-1,1,3-triethoxypropane	Rat	or	LD_{50}	1320
		Rabbit	ct	LD_{50}	8000
431	2-Chloro-1,1,2-trifluoroethylmethyl ether	Rat	or	LD_{50}	5130
		Rabbit	ct	LD_{50}	200
432	Chlorprophenpyridamine	Mouse	ip	LD_{50}	150

/1/ 20% solution in olive oil. /2/ 50% solution in olive oil. /3/ 25% solution in olive oil.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
1140-4220		6 hr	Führner, Arch. exp. Path. Pharm. 97:86, 1923.	413
			Smyth, unpublished data, Mellon Inst.	
		2 da	Führner, Arch. exp. Path. Pharm. 97:86, 1923.	
	Oil	24 hr	Althausen, Arch. Int. Med. 50:257, 1932.	
	G acacia	24 hr	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	
	Olive oil	30 min	Ibid	
		48 hr	Beck, Proc. Soc. Exp. Biol. Med. 78:392, 1951.	414
			Bechold, Zschr. Hyg. Infkr. 64:113, 1909.	415
			Machle, J. Ind. Hyg. Tox. 27:95, 1945.	416
			Machle, J. Ind. Hyg. Tox. 27:95, 1945.	417
			Machle, J. Ind. Hyg. Tox. 27:95, 1945.	418
			Kuroda, Arch. exp. Path. Pharm. 112:60, 1926.	419
	Olive oil		Deichmann, Fed. Proc. 2:76, 1943.	
	Olive oil		Ibid	
			Kuroda, Arch. exp. Path. Pharm. 112:60, 1926.	
			Kuroda, Arch. exp. Path. Pharm. 112:60, 1926.	420
	Olive oil		Deichmann, Fed. Proc. 2:76, 1943.	
	Olive oil		Ibid	
			Kuroda, Arch. exp. Path. Pharm. 112:60, 1926.	
			Kuroda, Arch. exp. Path. Pharm. 112:60, 1926.	421
			Klarmann, J. Lab. Clin. Med. 19:835, 1934.	
	Olive oil		Deichmann, Fed. Proc. 2:76, 1943.	
	Olive oil		Ibid	
			Karpow, Arch. sc. biol. St. Petersburg 2:304, 1893.	
			Kuroda, Arch. exp. Path. Pharm. 112:60, 1926.	
			Bucha, Science 114:493, 1951.	422
			Heinrichs, Arzneimittelforsch. 4:19, 1954.	423
			Ibid	
		1/3-2 hr	Mayer, C. rend. Acad. sc. 171:1396, 1920.	424
	H_2O		Gildemeister, Zschr. ges. exp. Med. 13:291, 1921.	
	Alcohol	6 da	Ibid	
340-670			Smyth, unpublished data, Mellon Inst.	425
1400-2720			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	426
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	427
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	428
			Ibid	
			DuBois, Arch. Ind. Hyg. Occ. Med. 8:350, 1953.	429
			Ibid	
			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	430
			Ibid	
3910-6740			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	431
			Ibid	
143-157			Way, J. Pharm. Exp. Ther. 104:115, 1952.	432

/4/ Emulsion.

	Compound	Animal	Route	Dose	Dosage mg/kg Value
433	Cholic acid	Frog	sc	LD*	1600
434	Choline	Frog	sc	LD	2500
		Mouse	sc	LD	700
		Rabbit	sc	LD	500
		Cat	sc	LD	400-500
		Cat	iv	LD	35
435	Choline chloride	Mouse	ip	LD	31.3
436	Chromic acetate	Frog	iv	MLD	6185
		Mouse	iv	MLD	2290
		Rabbit	iv	MLD	1604
437	Chromic chloride	Frog	iv	MLD	187
		Mouse	iv	MLD	801
		Rabbit	iv	MLD	288
438	Chromium sulfate	Frog	iv	MLD	37
		Mouse	iv	MLD	246.8
		Rabbit	iv	MLD	215
439	Chromium trioxide	Dog	sc	LD	330
440	Cicutoxin	Cat	or	LD	7
		Cat	iv	LD	50
441	Cinchonidine	Rat	ip	LD_{50}	206
442	Cinchonine	Frog	sc	MLD	200
		Mouse	sc	MLD	400
		Rat	ip	LD_{50}	152
443	Cinchophen	Frog	sc	MLD	228
		Guinea pig	sc	MLD	900
		Rabbit	or	MLD	1000
		Rabbit	sc	MLD	950
		Dog	or	MLD	1250
		Dog	sc	MLD	620
444	Cinchophen sodium	Frog	sc	LD	>1333
		Mouse	sc	LD_{50}	1000
		Guinea pig	sc	MLD	900
		Rabbit	or	LD	1000
		Rabbit	sc	MLD	950
		Cat	or	LD	977
		Cat	sc	LD	977
		Dog	or	LD	977
		Dog	sc	MLD	620
445	(3-Cinnamoxyphenyl)trimethyl-ammonium bromide	Mouse	iv	LD_{50}	11.2±0.45
446	Cis-bicyclo(2, 2, 1-heptene-2, 3-dicarboxylic acid)methyl ester	Mouse	or	LD_{50}	1.4 cc
		Rat	or	LD_{50}	1 cc
447	Citraconic anhydride	Rat	or	LD_{50}	2600
		Guinea pig	ct	LD_{50}	1000

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Flury, Abderhalden's Hdb. 4. 7b:1350.	433
			Trendelenburg, Heffter's Hdb. 1. 1:593.	434
			Flury, Abderhalden's Hdb. 4. 7b:1329.	
			Trendelenburg, Heffter's Hdb. 1. 1:593.	
			Ibid	
			Ibid	
			Rpt. Chemother. Leukemia, So. Res. Inst.	435
			Cavalli, Arch. int. pharmacod. 62:330, 1939.	436
		24 hr	Ibid	
			Ibid	
			Cavalli, Arch. int. pharmacod. 62:330, 1939.	437
			Ibid	
		10 da	Ibid	
		24 hr	Cavalli, Arch. int. pharmacod. 62:330, 1939.	438
		24 hr	Ibid	
		1 hr	Ibid	
		4 hr	Eichler, Heffter's Hdb. 3. 3:1521.	439
			Flury, Abderhalden's Hdb. 4. 7b:1330.	440
			Ibid	
			Johnson, Acta. pharm. tox. 4:265, 1949.	441
			Bonsmann, Arch. exp. Path. Pharm. 205:129, 1948.	442
			Ibid	
			Johnson, Acta. pharm. tox. 4:265, 1949.	
			Rotter, Zschr. exp. Path. 19:176, 1918.	443
			Risi, Arch. int. pharmacod. 42:117, 1932.	
			Fuerth, J. Pharm. Exp. Ther. 38:71, 1930.	
			Risi, Arch. int. pharmacod. 42:117, 1932.	
		8 hr	Barbour, J. Lab. Clin. Med. 8:217, 1923.	
			Risi, Arch. int. pharmacod. 42:117, 1932.	
			Flury, Abderhalden's Hdb. 4. 7b:1310.	444
			Hueper, Arch. Path. 41:592, 1946.	
			Risi, Arch. int. pharmacod. 42:117, 1932.	
			Flury, Abderhalden's Hdb. 4. 7b:1310.	
			Risi, Arch. int. pharmacod. 42:117, 1932.	
			Flury, Abderhalden's Hdb. 4. 7b:1310.	
			Ibid	
			Ibid	
			Risi, Arch. int. pharmacod. 42:117, 1932.	
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	445
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	446
			Ibid	
			Smyth, J. Ind. Hyg. Tox. 26:269, 1944.	447
			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
448	Citric acid	Mouse	ip	LD_{50}	1050
		Mouse	iv	LD_{50}	46.2[1]
		Rat	ip	LD_{50}	975
		Rabbit	iv	LD_{50}	360[2]
449	Cobaltous chloride, $CoCl_2 \cdot 6H_2O$	Frog	sc	LD	150-200
		Mouse	sc	MLD	100-120
		Rabbit	sc	MLD	200
450	Cobaltous nitrate, $Co(NO_3)_2 \cdot 6H_2O$	Frog	sc	LD	150
		Frog	sc	LD	1000
		Rabbit	or	LD	250[3]
		Rabbit	sc	LD	200-400
		Rabbit	sc	LD	75[3]
		Pigeon	im	LD	50-100
451	Cobra venom[4]	Rat	im	LD	2
		Rabbit	sc	LD	0.25
		Rabbit	iv	MLD	0.15
		Cat	sc	LD	0.0035
		Cat	im	LD	1.5-2.0
		Cat	iv	LD	0.0015
		Cat	im	LD	0.5-1.0
		Pigeon	im	LD	0.5
452	Cocaine	Frog	sc	MLD	660
		Mouse	sc	MLD	189
		Mouse	sc	MLD	150
		Mouse	sc	LD	100
		Mouse	iv	MLD	30
		Rat	sc	LD_{50}	250
		Rat	ip	LD_{50}	70
		Rat	iv	LD_{50}	17.5
		Rat	iv	LD	12.5
		Guinea pig	sc	MLD	50
		Guinea pig	ip	MLD	60
		Guinea pig	iv	MLD	20
		Rabbit	sc	MLD	126
		Rabbit	iv	LD_{50}	17
		Cat	sc	MLD	31.9
		Cat	iv	MLD	14.6
		Dog	sc	MLD	35
453	Codeine HCl	Mouse	sc	LD_{50}	300
		Guinea pig	or	MLD	120
		Rabbit	or	LD_{100}	100
		Rabbit	sc	LD_{50}	32
		Dog	sc	LD*	200
454	Codeine phosphate	Rabbit	or	MLD	100
		Rabbit	sc	LD	100
455	Colchiceine	Mouse	ip	LD_{50}	84

/1/ Rapid injection. /2/ Slow injection. /3/ Anhydrous. /4/ Toxicity of venom varies

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Gruber, J. Pharm. Exp. Ther. 94:65, 1948.	448
			Ibid	
			Ibid	
			Ibid	
		24 hr	Hendrych, Heffter's Hdb. 3. 2:1444.	449
			Ibid	
		3 hr	Ibid	
		48 hr	Hendrych, Heffter's Hdb. 3. 2:1444	450
		1 hr	Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1331.	
			Ibid	
			Ibid	
			Ibid	
		4-12 hr	Chopra, Ind. J. M. Res. 18:1113, 1931.	451
		24 hr	Cushny, Philos. Tr. Roy. Soc. Lond. 208B:1, 1916.	
		2-4 hr	Ibid	
			Epstein in Chopra, Ind. J. M. Res. 18:1113, 1931.	
			Chopra, Ind. J. M. Res. 18:1113, 1931.	
			Epstein in Chopra, Ind. J. M. Res. 18:1113, 1931.	
		4-12 hr	Chopra, Ind. J. M. Res. 18:1113, 1931.	
		4-8 hr	Ibid	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	452
			Ibid	
			Rose, J. Lab. Clin. Med. 15:731, 1930.	
			Fromherz, Arch. exp. Path. Pharm. 158:368, 1930.	
			Bacharach, Q. J. Pharm. Pharmacol. 14:356, 1941.	
			Rose, J. Lab. Clin. Med. 15:731, 1930.	
			Ibid	
			Ibid	
			Hooper, Am. J. Physiol. 68:120, 1924.	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
			Ibid	
			Ibid	
			Ibid	
			Rose, J. Lab. Clin. Med. 15:731, 1930.	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
			Ibid	
			Ibid	
			Eddy, J. Pharm. Exp. Ther. 67:127, 1939.	453
			Flury, Abderhalden's Hdb. 4. 7b:1334.	
			Ibid	
			Eddy, J. Pharm. Exp. Ther. 67:127, 1939.	
			Flury, Abderhalden's Hdb. 4. 7b:1334.	
			Flury, Abderhalden's Hdb. 4. 7b:1334.	454
			Ibid	
	G acacia	10-13 da	Goldberg, Cancer 3:124, 1950.	455

for different samples and cobra species.

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
456	Colchicine	Frog	sc	LD	1.2-2.0
		Frog	sc	LD	20
		Mouse	or	LD	66.6
		Mouse	sc	LD	3.0-3.5
		Mouse	sc	LD$_{50}$	3.10±0.2[1]
		Mouse	sc	LD$_{50}$	2.32±0.2[2]
		Mouse	sc	LD$_{50}$	3.8
		Mouse	ip	MLD	1.3
		Mouse	ip	LD$_{50}$	3.5
		Mouse	ip	LD$_{50}$	3.5
		Rat	sc	LD$_{50}$	4±1
		Rat	iv	LD$_{50}$	1.7
		Rabbit	sc	MLD	5-10
		Rabbit	iv	MLD	5-6
		Cat	or	LD	0.125
		Cat	sc	LD	0.57-1.0
		Cat	iv	LD$_{50}$	0.25
		Dog	or	LD	0.125
		Dog	sc	LD	0.571
		Chicken	sc	MLD	0.0015
457	Columbium chloride	Rat	ip	LD$_{50}$	40[3]
458	Congo red	Rat	iv	LD$_{50}$	190
		Rabbit	iv	LD$_{50}$	250
		Cat	iv	LD$_{50}$*	125
		Pigeon	iv	LD$_{50}$	150
459	Conhydrine	Guinea pig	sc	LD	>400
460	γ-Coniceine	Guinea pig	sc	LD	150
461	Coniine	Frog	sc	LD	15-20
		Mouse	sc	LD	75[4]
		Guinea pig	or	LD	150
		Guinea pig	sc	LD	40
		Guinea pig	sc	LD	50
		Rabbit	or	LD	56
		Rabbit	sc	LD	25
		Rabbit	sc	LD	90
		Rabbit	iv	LD	15-20[5]
		Dog	sc	LD	50[5]
		Pigeon	sc	LD	>40[4]
462	Convallamarin	Frog	or	MLD	200
		Frog	sc	MLD	15
		Mouse	sc	MLD	600
		Guinea pig	iv	LD	40
		Rabbit	or	LD	320-1500
		Rabbit	sc	LD	10-40
	(continued on next page)	Rabbit	iv	LD	6-40

/1/ At 25°-35° C. /2/ At 4° C. /3/ 50% solution in H_2O. /4/ Hydrochloride. /5/ Hydro-

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Flury, Abderhalden's Hdb. 4. 7b:1337.	456
			Arvy, C. rend. Soc. biol. 134:452, 1940.	
			Goldberg, Cancer 3:124, 1950.	
		12-15 hr	Fühner, Arch. exp. Path. Pharm. 166:437, 1932.	
			Streicher, Proc. Soc. Exp. Biol. Med. 76:536, 1951.	
			Ibid	
			Sullivan, Proc. Soc. Exp. Biol. Med. 77:269, 1951.	
			Rpt. Chemother. Leukemia, So. Res. Inst.	
	N saline	3-13 da	Goldberg, Cancer 3:124, 1950.	
		1-2 da	U. of Chicago Toxic. Lab. Rpt. 23.	
			Santovy, Arch. int. pharmacod. 84:257, 1950.	
			Ferguson, J. Pharm. Exp. Ther. 106:261, 1952.	
			Maurel, C. rend. Soc. biol. 67:768, 1909.	
			Ibid	
			Flury, Abderhalden's Hbd. 4. 7b:1337.	
			Ibid	
			Ferguson, J. Pharm. Exp. Ther. 106:261, 1952.	
			Flury, Abderhalden's Hdb. 4. 7b:1337.	
			Ibid	
			Arvy, C. rend. Soc. biol. 134:452, 1940.	
	H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	457
			Richardson, Am. J. Med. Sc. 198:73, 1939.	458
			Ibid	
			Ibid	
			Ibid	
			Albahary, C. rend. Acad. sc. 147:996, 1908.	459
		10 min	Albahary, C. rend. Acad. sc. 147:996, 1908.	460
			Gürber, Arch. Anat. Physiol. 401, 1890.	461
		10-28min	Flury, Abderhalden's Hdb. 4. 7b:1337.	
			Thaddea, Arch. exp. Path. Pharm. 162:385, 1931.	
			Ibid.	
		29 min	Albahary, C. rend. Acad. sc. 147:996, 1908	
			Hadra, Dissert., Hamburg 1936.	
			Ibid	
			Granger, Ber. deut. chem. Ges. 30:1060, 1897.	
			Flury, Abderhalden's Hdb. 4. 7b:1337.	
			Ibid	
		15-40min	Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1338.	462
			Ibid	
			Lendle, Heffter's Hdb. E.1:78.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	

bromide.

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
462	Convallamarin (concluded)	Cat	iv	LD	1.7
		Pigeon	or	MLD	100
		Pigeon	sc	MLD	3
463	Convallarin	Frog	sc	LD	0.7
		Mouse	sc	LD	70
		Guinea pig	iv	LD	5
		Rabbit	or	LD	2000
		Rabbit	sc	LD	4
		Rabbit	iv	LD	1.5
464	Convallatoxin	Frog	iv	MLD	0.3
		Cat	iv	MLD	0.077
465	Convallotoxol	Cat	iv	LD_{50}	0.0869
466	Copellidine	Frog	sc	LD	375
467	Copper carbonate	Rat	or	LD_{50}*	159
468	Copper chloride	Rat	or	LD_{50}*	140
		Guinea pig	sc	LD	100
469	Copper nitrate	Rat	or	LD_{50}	940
470	Copper sulfate	Frog	iv	LD	25-37
		Mouse	iv	LD	50
		Rat	or	LD_{50}*	300
		Guinea pig	iv	LD	2
		Rabbit	iv	LD	4-5
471	Coramine	Frog	sc	LD	1000
		Frog	sc	LD	2000
		Mouse	sc	LD	295
		Rat	sc	MLD	470
		Rat	sc	LD_{50}	240
		Rat	ip	LD	450
		Rat	ip	LD_{50}	300
		Guinea pig	sc	LD	300
		Guinea pig	ip	LD	250
		Rabbit	or	LD	650
		Rabbit	sc	LD	300-400
		Rabbit	sc	LD	400
		Rabbit	ip	LD_{50}	225
		Rabbit	iv	MLD	150
		Rabbit	iv	LD	250
		Dog	im	LD	150-200
		Dog	iv	LD	150-200
472	Corchoroside A	Cat	iv	LD_{50}	0.0768
473	Corchoroside B	Cat	iv	LD_{50}	0.1413
474	Coryamyrtin	Frog	sc	MLD	10
		Mouse	iv	MLD	1.1
		Rat	sc	MLD	1

(continued on next page)

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Lendle, Heffter's Hdb. E. 1:78. Flury, Abderhalden's Hdb. 4. 7b:1338. Ibid	462
			Lendle, Heffter's Hdb. E. 1 :78. Ibid Ibid Ibid Ibid Ibid	463
			Lendle, Heffter's Hdb. E. 1:78. Ibid	464
0.0597-0.1090	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	465
			Gürber, Arch. Anat. Physiol. 401, 1890.	466
			Lehman, Q. Bull. Assoc. F.& D Off. 15:122, 1951.	467
		 5-8 hr	Lehman, Q. Bull. Assoc. F.& D. Off. 15:122, 1951. Sellei, Biochem. Zschr. 49:466, 1913.	468
610-1430			Smyth, unpublished data, Mellon Inst.	469
			Eichholtz, Heffter's Hdb. 3. 3:1967. Ibid Lehman, Q. Bull. Assoc. F.& D. Off. 15:122, 1951. Eichholtz, Heffter's Hdb. 3. 3: 1967. Ibid	470
			Hildebrandt, Heffter's Hdb. E. 5: 1939. Lagier, Thèse, Genève 1922. Behrens, Klin. Wschr. 12:1860, 1933. Albus, Arch. exp. Path. Pharm. 182:471, 1936. Brazda, Proc. Soc. Exp. Biol. Med. 62:19, 1946. Kohn, Arch. exp. Path. Pharm. 179:448, 1935. Hildebrandt, Heffter's Hdb. E. 5:1939. Ibid Ibid Ibid Ibid Lagier, Thèse, Genève 1922. Hildebrandt, Heffter's Hdb. E. 5:1939. Werner, J. Pharm. Exp. Ther. 66:260, 1939. Lagier, Thèse, Genève 1922. Hildebrandt, Heffter's Hdb. E. 5:1939. Ibid	471
0. 0522-0. 1054	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	472
0. 0752-0. 1815	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	473
			Swanson, J. Pharm. Exp. Ther. 57:410, 1936. Ibid Ibid	474

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
474	Coryamyrtin (concluded)	Rat	iv	MLD	0.7
		Rabbit	sc	MLD	1.2
		Rabbit	iv	MLD	0.4
475	Corynantheine	Mouse	iv	MLD	35.8[1]
		Mouse	iv	MLD	76.3[2]
		Guinea pig	ip	LD_{50}	150
476	Corynantheine tartrate[3]	Guinea pig	ip	LD_{50}	83
477	Corynanthine HCl	Mouse	iv	MLD	76.7
		Guinea pig	ip	LD_{50}	158
478	Corynanthine tartrate	Guinea pig	ip	LD_{50}*	75
479	Cotoin(e)	Frog	sc	LD	8
480	m-Cresol	Frog	sc	LD	250
		Mouse	sc	LD	450
		Mouse	ip	LD_{50}	168
		Rat	or	LD_{50}	2020
		Rat	sc	LD	900
		Guinea pig	sc	LD	300-400
		Guinea pig	ip	LD	100
		Rabbit	or	LD	1400[4]
		Rabbit	sc	LD	500-600
		Rabbit	iv	LD	280[5]
		Cat	sc	LD	180[6]
		Dog	iv	LD	150
481	o-Cresol	Frog	sc	LD	200
		Mouse	sc	LD	350
		Rat	or	LD_{50}	1350
		Rat	sc	LD	650
		Guinea pig	sc	LD	350-400
		Guinea pig	ip	LD	350
		Rabbit	or	LD	940[7]
		Rabbit	iv	LD	180[5]
		Rabbit	sc	LD	450-500
		Cat	sc	LD	55[6]
		Dog	iv	LD	80
482	p-Cresol	Frog	sc	LD	150
		Mouse	sc	LD	150
		Mouse	ip	LD_{50}	24.8
		Rat	or	LD_{50}	1800
		Rat	sc	LD	500
		Guinea pig	sc	LD	200-300
		Guinea pig	ip	LD	100
		Rabbit	or	LD	620[7]
		Rabbit	sc	LD	300-400
		Rabbit	iv	LD	180[5]
		Cat	sc	LD	80[6]

/1/ Base. /2/ Hydrochloride. /3/ Crystalline. /4/ 20% solution in H_2O. /5/ 0.5% solu-

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Swanson, J. Pharm. Exp. Ther. 57:410, 1936.	474
			Ibid	
			Ibid	
			Röthlin, Arch. exp. Path. Pharm. 178:305, 1935.	475
			Ibid	
			Hamet, C. rend. Soc. biol. 146:1042, 1952.	
			Hamet, C. rend. Soc. biol. 146:1042, 1952.	476
			Röthlin, Arch. exp. Path. Pharm. 178:305, 1935.	477
			Hamet, C. rend. Soc. biol. 146:1042, 1952.	
			Hamet, C. rend. Soc. biol. 146:1042, 1952.	478
			Jodlbauer, Biochem. Zschr. 74:340, 1916.	479
		12-24 hr	Tollens, Arch. exp. Path. Pharm. 52:220, 1905.	480
			Ibid	
			Harvey, Q. J. Pharm. Pharmacol. 5:497, 1953.	
			Deichmann, J. Pharm. Exp. Ther. 80:233, 1944	
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	
			Ibid	
		6-8 hr	Chassevant, Arch. int. pharmacod. 14:93, 1905.	
	H_2O	8 hr	Deichmann, J. Pharm. Exp. Ther. 80:233, 1944.	
		2-12 hr	Binet, Rev. méd. Suisse rom. 15:561, 1895.	
	H_2O	15 hr	Deichmann, J. Pharm. Exp. Ther. 80:233, 1944.	
	Olive oil	27 hr	Ibid	
			Gibbs, Dubois'Arch. f. Physiol. Suppl. p271, 1889.	
			Tollens, Arch. exp. Path. Pharm. 52:220, 1905.	481
			Ibid	
			Deichmann, J. Pharm. Exp. Ther. 80:233, 1944.	
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	
			Ibid	
		70 min	Chassevant, Arch. int. pharmacod. 14:93, 1905.	
	H_2O	4 hr	Deichmann, J. Pharm. Exp. Ther. 80:233, 1944.	
	H_2O	8 hr	Ibid	
		<2-3 hr	Binet, Rev. méd. Suisse rom. 15:561, 1895.	
	Olive oil	60 hr	Deichmann, J. Pharm. Exp. Ther. 80:233, 1944.	
			Gibbs, Dubois'Arch. f. Physiol. Suppl. p271, 1889.	
			Tollens, Arch. exp. Path. Pharm. 52:220, 1905.	482
			Ibid	
			Harvey, Q. J. Pharm. Pharmacol. 5:497, 1953.	
			Deichmann, J. Pharm. Exp. Ther. 80:233, 1944	
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	
			Ibid	
		6-22 hr	Chassevant, Arch. int. pharmacod. 14:93, 1905.	
	H_2O	4 hr	Deichmann, J. Pharm. Exp. Ther. 80:233, 1944.	
		12-36 hr	Binet, Rev. méd. Suisse rom. 15:561, 1895.	
	H_2O	15 hr	Deichmann, J. Pharm. Exp. Ther. 80:233, 1944.	
	Olive oil	120 hr	Ibid	

tion in H_2O. /6/ 10% solution in olive oil. /7/ 20% emulsion in H_2O.

	Compound	Animal	Route	Dose	Dosage mg /kg
					Value
483	Crotonaldehyde	Mouse	sc	LD$_{50}$	160
		Rat	or	LD$_{50}$	300
		Rat	sc	LD$_{50}$	140
		Rabbit	ct	LD$_{50}$	380
484	Crotonamide	Rat	or	LD$_{50}$	2830
485	Crotonic acid	Rat	or	LD$_{50}$	1000
		Guinea pig	ct	LD$_{50}$	600
486	Crotonic acid vinyl ester	Rat	or	LD$_{50}$	6500
487	Cryolite	Rat	or	LD$_{50}$*	200
488	Cryptenamine[1]	Mouse	iv	LD$_{50}$	0.64[2]
		Mouse	iv	LD$_{50}$	0.6[3]
489	Crystal violet	Mouse	ip	LD$_{100}$	20
		Mouse	iv	LD$_{75}$*	20
		Rat	ip	LD$_{75}$*	15
		Guinea pig	ip	LD$_{100}$	10
490	Cumene	Rat	or	LD$_{50}$	2910
491	Cumertilin	Mouse	sc	LD$_{50}$	83±3
		Mouse	iv	LD$_{50}$	41±2
		Rat	or	LD$_{50}$	238±11
		Rat	im	LD$_{50}$	12.3±0.5
		Rat	iv	LD$_{50}$	9.8±0.08
		Rabbit	im	LD$_{50}$	13±1
		Rabbit	iv	LD$_{50}$	7.4±1.4
492	Curare	Rat	sc	LD	20-25
		Rabbit	or	LD	266-333
		Rabbit	sc	LD	2.6-3.3
		Rabbit	iv	LD$_{50}$	1.3
		Dog	iv	LD$_{50}$	1.2
493	Curarine	Frog	sc	LD	8.4
		Mouse	sc	LD	0.38-0.41
		Mouse	sc	LD$_{50}$	0.6±0.02
		Mouse	sc	LD$_{50}$	0.7±0.1[4]
		Mouse	sc	LD$_{50}$	1.25
		Mouse	ip	LD$_{50}$	0.5±0.034
		Mouse	iv	LD$_{50}$	0.18±0.01
		Mouse	iv	LD	0.10-0.125
		Mouse	iv	LD$_{50}$	0.2
		Mouse	iv	LD$_{50}$	0.136
		Guinea pig	sc	MLD	0.09-0.11
		Rabbit	sc	MLD	0.34
		Rabbit	iv	MLD	0.08-0.12
		Rabbit	iv	LD$_{50}$	0.187±0.012
		Rabbit	iv	LD$_{50}$	0.16-0.25
	(continued on next page)	Cat	sc	MLD	0.34

/1/ An alkaloid of Veratrum. /2/ Second fraction. /3/ Third fraction./4/ Curarine chloride. 1948.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
		24 hr	Skog, Acta pharm. tox. 6:299, 1950.	483
			Smyth, J. Ind. Hyg. Tox. 26:269, 1944.	
		24 hr	Skog, Acta pharm. tox. 6:299, 1950.	
270-520			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	
2320-3440			Smyth, unpublished data, Mellon Inst.	484
			Smyth, J. Ind. Hyg. Tox. 26:269, 1944.	485
			Ibid	
4950-8530			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	486
			Lehman, Q. Bull. Assoc. F. &D. Off. 15:122, 1951.	487
			O'Dell, Proc. Soc. Exp. Biol. Med. 85:400, 1954.	488
			Ibid	
			Anderson, Proc. Soc. Exp. Biol. Med. 31:825, 1934.	489
			Ibid	
			Ibid	
			Ibid	
2500-3320			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	490
			Blumberg, J. Pharm. Exp. Ther. 105:336, 1952.	491
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Boldyreff, J. Pharm. Exp. Ther. 46:407, 1932.	492
			Fühner, Arch. exp. Path. Pharm. 61:284, 1909.	
			Ibid	
			Chase, J. Pharm. Exp. Ther. 82:266, 1944.	
			Ibid	
			Flury, Abderhalden's Hbd. 4. 7b :1339.	493
			Ibid	
			Hoppe, J. Pharm. Exp. Ther. 100:333, 1950.	
			Ibid	
			Bovet & Bovet-Nitti.[5]	
			Berger, J. Pharm. Exp. Ther. 93:362, 1948.	
			Hoppe, J. Pharm. Exp. Ther. 100:333, 1950.	
			Everett, J. Pharm. Exp. Ther. 92:236, 1948.	
			Bovet & Bovet-Nitti.[5]	
			Pelikan, Proc. Pharm. Soc. Fall Meet. p64, 1951.	
			Flury, Abderhalden's Hdb. 4. 7b:1339.	
			Ibid	
			Ibid	
			Hoppe, J. Pharm. Exp. Ther. 100:333, 1950.	
			Bovet & Bovet-Nitti.[5]	
			Flury, Abderhalden's Hdb. 4. 7b:1339.	

/5/ Bovet and Bovet-Nitti, "Médicaments du Système Nerveux Végétatif," New York: S. Karger,

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
493	Curarine (concluded)	Dog	sc	LD$_{50}$	0.5
		Dog	sc	MLD	0.34
		Pigeon	im	MLD	0.618
494	Cyanine^{2}	Mouse	or	LD$_{50}$	7.9^{3}
		Rat	or	LD$_{50}$	161^{3}
495	Cyanogen chloride	Mouse	sc	LD	39.07
		Rabbit	sc	LD	20.038
		Pigeon	sc	LD	43.53
496	Cyanogen iodide	Frog	sc	LD	111-143
		Mouse	sc	LD	27-36
		Rat	sc	LD	44
		Rabbit	or	LD	23.5
		Rabbit	sc	LD	19-40
		Rabbit	iv	LD	15
		Cat	or	LD	18
		Cat	sc	LD	23
		Dog	sc	LD	19-30
497	Cyanomethyl acetate	Rat	or	LD$_{50}$	32
		Rabbit	ct	LD$_{50}$	43
498	Cyanomethyl butyrate	Rat	or	LD$_{50}$	120
499	Cyclethrin	Rat ♂	or	LD$_{50}$	1400-2800^{4}
		Rat ♂	or	LD$_{50}$	3300-4900^{5}
		Rabbit	ct	LD$_{50}$	10,000
500	Cyclohexane	Rabbit	or	MLD	5500-6000
		Rabbit	iv	LD	77
501	Cyclohexanecarboxylic acid-1-hydroxycyclophenyl ester	Mouse	or	LD$_{50}$	3.2
		Rat	or	LD$_{50}$	2.6
502	Cyclohexanol	Rat	or	LD$_{50}$	2060
		Rabbit	or	MLD	2200-2600
		Rabbit	ct	MLD	12,400-22,700
		Rabbit	ip	LD	1420
503	Cyclohexanone	Mouse	ip	MLD	1300-1500
		Rat	or	LD$_{50}$	3460
		Rabbit	or	MLD	1600-1900
		Rabbit	ct	MLD	10,200-23,000
504	β-δ-1,2-Cyclohexenylisopropylamine	Mouse	ip	LD	90
505	Cyclohexylacetoacetate	Mouse	or	LD$_{50}$	7.2 cc
506	Cyclohexylamine	Rat ?	ip	LD$_{50}$	200
507	DL-1-Cyclohexyl-2-aminopropane HCl	Rat	ip	LD$_{50}$	65
		Guinea pig	ip	LD$_{50}$	50-70
		Rabbit	ip	LD$_{50}$	100-115
508	Cyclohexylammonium formate	Rat ?	ip	LD$_{50}$	580
509	Cyclohexylammonium stearate	Rat ?	ip	LD$_{50}$	4000

/1/ Bovet and Bovet-Nitti, "Médicaments du Système Nerveux Végétatif," New York: S. Karger,

/5/ 20% solution in paraffin oil.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Bovet & Bovet-Nitti.[1]	493
			Flury, Abderhalden's Hdb. 4.7b:1339.	
			Ibid	
	G acacia		Weston, J. Pharm. Exp. Ther. 107:315, 1953.	494
	G acacia		Ibid	
			Hunt, Heffter's Hdb. 1.1:779.	495
			Ibid	
			Ibid	
		12 hr	Hunt, Heffter's Hdb. 1.1:779.	496
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	497
			Ibid	
85-160			Smyth, unpublished data, Mellon Inst.	498
			Carpenter, Arch. Ind. Hyg. Occ. Med. 10:162, 1954.	499
	Par oil		Ibid	
6,800-14,800			Ibid	
			Treon, J. Ind. Hyg. Tox. 25:199, 1943.	500
			Sato, Jap. J. M. Sc., IV Pharm. 3:(1), 1, 1928.	
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	501
			Ibid	
1950-2180			Smyth, unpublished data, Mellon Inst.	502
			Treon, J. Ind. Hyg. Tox. 25:199, 1943.	
			Ibid	
			Sato, Jap. J. M. Sc., IV Pharm. 3:(1), 1, 1928.	
			Jacobj, Arch. exp. Path. Pharm. 50:199, 1903.	503
2810-4260			Smyth, unpublished data, Mellon Inst.	
			Treon, J. Ind. Hyg. Tox. 25:199, 1943.	
			Ibid	
			Gunn, J. Physiol. 97:453, 1940.	504
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	505
			Mallette, Arch. Ind. Hyg. Occ. Med. 5:311, 1952.	506
			Fellows, J. Pharm. Exp. Ther. 100:267, 1950.	507
			Ibid	
			Ibid	
			Mallette, Arch. Ind. Hyg. Occ. Med. 5:311, 1952.	508
			Mallette, Arch. Ind. Hyg. Occ. Med. 5:311, 1952.	509

1948. /2/ Cyanine dye No. 715. /3/ 1% suspension in gum acacia solution. /4/ Undiluted.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
510	α-Cyclohexyl-α-ethylamine	Mouse	ip	LD	180
511	α-Cyclohexyl-β-ethylamine	Mouse	ip	LD	120
512	α-Cyclohexylisopropylamine	Mouse	ip	LD_{50}	160
513	Cyclohexylmethylamine	Mouse	ip	LD	360
514	DL-1-Cyclohexyl-2-methylaminopropane HCl	Rat	ip	LD_{50}	65-75
		Guinea pig	ip	LD_{50}	85
		Rabbit	ip	LD_{50}	80-90
515	Cyclohexyl sulfamate sodium	Mouse	or	LD_{50}	10,000-12,000
		Mouse	iv	LD_{50}	4000
		Rat	or	LD_{50}	12,000
		Rat	iv	LD_{50}*	3500
516	Cyclotrimethylenetrinitramine	Rat	or	LD_{50}	200[1]
517	Cymarin	Frog	sc	LD	0.7-2.0
		Cat	sc	LD	0.5
		Cat	iv	LD	0.125
		Cat	iv	LD_{50}	0.0954
		Dog	iv	LD	0.215
518	Cymene	Guinea pig	ip	LD*	2100
519	Cystamin(e)	Mouse	sc	LD	450
		Rat	sc	LD	200
		Guinea pig	sc	LD	300
		Cat	sc	LD	200
520	Cytisine nitrate	Frog	sc	LD	25
		Rat	sc	LD	20
		Guinea pig	sc	LD	37
		Cat	sc	LD	3
		Dog	sc	LD	4
		Chicken	sc	LD	10
		Pigeon	sc	LD	6.3-13.0
521	2,4-D	Mouse	or	LD_{50}	375
		Mouse	sc	LD_{50}	280
		Mouse	ip	LD_{50}	375
		Rat	or	LD_{50}	666
		Rat	ip	LD_{50}	666
		Guinea pig	or	LD_{50}	1000
		Guinea pig	ip	LD_{50}	666
		Rabbit	or	LD_{50}	800
		Rabbit	ct	LD_{50}	1400[2]
		Rabbit	ip	LD_{50}	400
		Rabbit	iv	LD_{50}	400
		Dog	or	LD_{50}	100
522	DDD	Mouse	or	LD	2280
		Rat	or	LD	3360
		Rat	or	LD_{50}*	3400

/1/ 4% suspension in H_2O. /2/ Ammonium salt.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Gunn, J. Physiol. 97:453, 1940.	510
			Gunn, J. Physiol. 97:453, 1940.	511
			Gunn, J. Physiol. 97:453, 1940.	512
			Gunn, J. Physiol. 97:453, 1940.	513
			Fellows, J. Pharm. Exp. Ther. 100:267, 1951.	514
			Ibid	
			Ibid	
		24 hr	Richards, J. Am. Pharm. Assoc. 40:1, 1951.	515
		Few min	Ibid	
			Ibid	
			Ibid	
	H_2O	24 hr	Von Oettingen, J. Ind. Hyg. Tox. 31:21, 1949.	516
			Lendle, Heffter's Hdb. E. 1:78.	517
			Ibid	
			Ibid	
			Chen, Proc. Pharm. Soc. 3:13, 1940.	
			Lendle, Heffter's Hdb. E. 1:78.	
			Chassevant, C. rend. Soc. biol. 55:1255, 1903.	518
			Robber, Arch. exp. Path. Pharm. 185:461, 1937.	519
			Ibid	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1342.	520
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
		3 da	Hill, J. Ind. Hyg. Tox. 29:85, 1947.	521
			Bucher, Proc. Soc. Exp. Biol. Med. 63:204, 1946.	
			Hill, J. Ind. Hyg. Tox. 29:85, 1947.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Lehman, Q. Bull. Assoc. F. &D. Off. 16:3, 1952.	
			Hill, J. Ind. Hyg. Tox. 29:85, 1947.	
			Ibid	
			Drill, Arch. Ind. Hyg. Occ. Med. 7:61, 1953.	
			Div. Pharm. F. & D. Adm. Q. Rpt. 2, Dec. 1946.	522
			Div. Pharm. F. & D. Adm. Q. Rpt. 3, Mar. 1947.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
523	DDT	Frog	sc	LD	50
		Mouse	or	LD_{50}*	180
		Mouse	or	LD_{50}	200[1]
		Rat	or	LD_{50}	420[1]
		Rat	or	LD_{50}	800
		Rat	or	LD_{50}*	200
		Rat	ct	LD_{50}	3000
		Rat	sc	LD_{50}	1500
		Rat	ip	LD	100-200
		Rat	iv	LD_{50}	40-50[2]
		Guinea pig	or	LD_{50}	400
		Guinea pig	or	LD_{40}	282-355
		Guinea pig	ct	LD_{50}	1000
		Guinea pig	sc	LD_{50}	900
		Rabbit	or	LD_{50}	300
		Rabbit	or	LD_{50}	400
		Rabbit	or	LD_{50}	250
		Rabbit	ct	LD_{50}	300
		Rabbit	sc	LD_{50}	>3200
		Rabbit	ip	LD_{50}	2100
		Rabbit	iv	LD	40-45
		Cat	or	LD_{50}	400-500[2]
		Cat	iv	LD	40-75[2]
		Dog	iv	LD	60-75[2]
		Monkey	iv	LD_{50}	50-60[2]
		Monkey	iv	LD_{100}	75
		Chicken	or	LD_{50}	>300
524	Decaborane	Mouse	ip	LD_{50}	33
		Rat	ip	LD_{50}	23
		Rabbit	ip	LD_{50}	28
		Rabbit	ct	LD_{50}	113
		Rabbit	ct	LD_{50}	71
		Dog	ip	LD	<16
525	Decahydronaphthalene	Rat	or	LD_{50}	4170
		Rat	ct	LD_{50}	5900
526	Decane-1,10-diamine 2HCl	Mouse	ip	LD_{50}	122.5-171.6
		Rat	ip	LD_{50}	98.1-122.5
		Guinea pig	ip	LD_{50}	98.1-122.5
527	Decapryn succinate	Mouse	or	LD_{50}	470±32
		Mouse	sc	LD_{50}	460±52
		Mouse	iv	LD_{50}	62±4
		Rat	sc	LD_{50}	440±34
		Rabbit	or	LD_{50}	250±42
		Rabbit	iv	LD_{50}	49±1.4
528	Decylthiocyanate	Mouse	sc	LD	18,000
		Rat	sc	LD	20,700
		Cat	or	LD	4550

/1/Toxicity varies with different solvents. /2/Emulsion in H_2O. /3/ Or kerosene.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Hoffmann, Arch. exp. Path. Pharm. 205:223, 1948.	523
			Woodard, J. Pharm. Exp. Ther. 82:152, 1944.	
			Von Oettingen, J. Pharm. Exp. Ther. 88:400, 1946.	
	Par oil		Woodard, J. Pharm. Exp. Ther. 82:152, 1944.	
			Cameron, Brit. Med. J. 1:865, 1945.	
	Par oil		Philips, J. Pharm. Exp. Ther. 86:213, 1946.	
	Ether		Cameron, Brit. Med. J. 1:865, 1945.	
	Par oil		Ibid	
			Hoffmann, Arch. exp. Path. Pharm. 205:223, 1948.	
	H_2O		Deichmann & Heyroth, unpublished data, 1950.	
			Cameron, Brit. Med. J. 1:865, 1945.	
			Woodard, J. Pharm. Exp. Ther. 82:152, 1944.	
	Ether[3]		Cameron, Brit. Med. J. 1:865, 1945.	
	Par oil		Ibid	
			Ibid	
	Par oil		Woodard, J. Pharm. Exp. Ther. 82:152, 1944.	
	Par oil		Cameron, Brit. Med. J. 1:865, 1945.	
	Ether[3]		Ibid	
	Olive oil		Deichmann & Heyroth, unpublished data, 1950.	
	Olive oil		Ibid	
	Olive oil		Philips, J. Pharm. Exp. Ther. 86:213, 1946.	
	H_2O		Ibid	
	H_2O		Ibid	
	H_2O		Ibid	
	H_2O		Ibid	
			Ibid	
			Ibid	
			Krackow, Arch. Ind. Hyg. Occ. Med. 8:335, 1953.	524
			Ibid	
			Ibid	
		24 hr	Krackow, Chem. Corps Med. Lab. Rpt. 8, 1951.	
		48 hr	Ibid	
			Wills, Chem. Corps Med. Lab. Rpt. 15, 1953.	
3360-5160			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	525
3840-9060			Ibid	
			Alles, J. Pharm. Exp. Ther. 107:332, 1953.	526
			Ibid	
			Ibid	
		2-24 hr	Brown, J. Lab. Clin. Med. 33:325, 1948.	527
		2-24 hr	Ibid	
		2-24 hr	Ibid	
		2-24 hr	Ibid	
		2-24 hr	Ibid	
			Ibid	
		2 hr-8 da	Von Oettingen, J. Ind. Hyg. Tox. 18: 310, 1936.	528
		$4\frac{1}{2}$-72 hr	Ibid	
			Ibid	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
529	Dehydroacetic acid	Mouse	ip	LD$_{50}$	2000
		Rat	or	LD$_{50}$	1000
		Rat	or	LD$_{50}$	570[2]
		Dog	or	LD	400[2]
		Dog	iv	LD	400[2]
530	Delvinal	Rat	or	LD$_{50}$	130
		Dog	or	LD$_{50}$	60
531	Demerol HCl	Frog	sc	MLD	250-300
		Frog	sc	LD$_{50}$	515
		Mouse	or	LD$_{50}$	221
		Mouse	or	LD$_{50}$	178
		Mouse	sc	MLD	160
		Mouse	sc	LD$_{50}$	195
		Mouse	sc	LD$_{50}$	165±6.9
		Mouse	sc	LD$_{50}$	150
		Mouse	ip	MLD	125
		Mouse	ip	LD$_{50}$	147
		Mouse	ip	LD$_{50}$	145±7.4
		Mouse	ip	LD$_{50}$	152
		Mouse	ip	LD$_{50}$	141.04±8.71
		Mouse	iv	LD$_{50}$	40.8±1.4
		Mouse	iv	LD$_{50}$	49.67±1.35
		Mouse	iv	LD$_{50}$	60
		Rat	or	LD$_{50}$	170
		Rat	sc	LD$_{50}$	200
		Rat	ip	LD$_{50}$	93
		Rat	iv	LD$_{50}$	34
		Rabbit	or	LD$_{50}$	500
		Rabbit[3]	iv	LD$_{50}$	32
		Rabbit[4]	iv	LD$_{50}$	20
		Rabbit	iv	LD$_{50}$	30
532	Derris root[5]	Mouse	or	LD$_{50}$	350
		Rat	or	LD$_{100}$	400
		Rat	or	LD$_{50}$*	1500
		Guinea pig	or	LD$_{100}$	100
		Rabbit	or	LD$_{100}$	700
		Dog	or	LD$_{100}$	250
533	Desacetyl-tanghinin	Cat	iv	LD$_{50}$	0.2311
534	Desgluco-cheiroside A	Cat	iv	LD$_{50}$	1.332
535	Desgluco-hellebrol	Cat	iv	LD$_{50}$	0.0922
536	Desgluco-transvaalin	Cat	iv	LD$_{50}$	0.1847
537	Desoxycorticosterone	Rat	ip	LD*	325.5
538	DFDT	Rat	or	LD$_{50}$*	1120

/1/Olive oil emulsion in gum arabic. /2/Given as Na salt; calculated as acid equivalent.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Brodersen, Acta pharm. tox. 2:109, 1946.	529
910-1100	Olive oil[1]		Spencer, J. Pharm. Exp. Ther. 99:57, 1950.	
530-610	H_2O		Ibid	
	H_2O		Seevers, J. Pharm. Exp. Ther. 99:69, 1950.	
	H_2O		Ibid	
		24 hr	Hendrix, J. Pharm. Exp. Ther. 68:22, 1940.	530
			Ibid	
			Winthrop Chem. Corp. 1944.	531
368-720			Barlow, J. Pharm. Exp. Ther. 103:147, 1951.	
			Gruber, J. Pharm. Exp. Ther. 73:319, 1941.	
165-193			Barlow, J. Pharm. Exp. Ther. 103:147, 1951.	
			Winthrop Chem. Corp. 1944.	
			Barlow, J. Pharm. Exp. Ther. 103:147, 1951.	
			Way, J. Pharm. Exp. Ther. 87:265, 1946.	
			Duguid, Q. J. Pharm. Pharmacol. 13:318, 1940.	
			Winthrop Chem. Corp. 1944.	
			Gruber, J. Pharm. Exp. Ther. 73:319, 1941.	
			Way, J. Pharm. Exp. Ther. 87:265, 1946.	
			Caratola, Prensa Méd. Arg. 29:1599, 1942.	
			Calesnick, J. Pharm. Exp. Ther. 102:138, 1951.	
			Scott, Current Res. Anes. 26:12, 1947.	
			Scott, J. Pharm. Exp. Ther. 84:184, 1945.	
			Duguid, Q. J. Pharm. Pharmacol. 13:318, 1940.	
142-204			Barlow, J. Pharm. Exp. Ther. 103:147, 1951.	
167-240			Ibid	
			Gruber, J. Pharm. Exp. Ther. 73:319, 1941.	
28-41			Barlow, J. Pharm. Exp. Ther. 103:147, 1951.	
380-660			Ibid	
			Gruber, J. Pharm. Exp. Ther. 73:319, 1941.	
			Ibid	
26-35			Barlow, J. Pharm. Exp. Ther. 103:147, 1951.	
			Haag, Proc. Soc. Exp. Biol. Med. 54:140, 1943.	532
		24 hr	Ambrose, Indust. Engin. Chem. 28:815, 1936.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
		24 hr	Ambrose, Indust. Engin. Chem. 28:815, 1936.	
		24 hr	Ibid	
		24 hr	Ibid	
0.1636-0.3321	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	533
0.9941-2.2627	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	534
0.0780-0.1133	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	535
0.1484-0.2339	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	536
	Peanut oil	6 hr	Selye, Proc. Soc. Exp. Biol. Med. 46:116, 1941.	537
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	538

/3/ Young. /4/ Adult. /5/ Powdered.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
539	Diacetin	Mouse	or	LD_{50}	8.5 cc[1]
		Mouse	sc	LD_{50}	2.5 cc
		Mouse	iv	LD_{50}	2.3 cc[1]
		Rat	sc	LD_{50}	4 cc
540	Diacetone alcohol	Rat	or	LD_{50}	4000
		Rabbit	ct	LD_{50}	14.5 cc
		Rabbit	im	LD	>3000
		Rabbit	iv	LD	3.25 cc
541	1,1-Diacetoxypropene-2	Rat	or	LD_{50}	250
		Rabbit	ct	LD_{50}	320
542	Diacetylcholine	Mouse	iv	LD_{50}	0.55
543	Di-(acetylcyanide)	Rat	or	MLD	20-30
		Rabbit	or	MLD	10.9-18.0
544	Dial	Frog	sc	LD	250
		Rat	sc	LD	110
		Rat	sc	MLD	110-150
		Rabbit	or	LD	50
		Rabbit	sc	LD	100
		Rabbit	iv	LD	70
545	Diallyl acetic acid	Rat	or	LD_{50}*	630
		Rat	iv	LD_{50}	630
546	Diallyl ether	Rat	or	LD_{50}	320
		Rabbit	ct	LD_{50}	600
547	Diallyl maleate	Rat	or	LD_{50}	300
		Rabbit	ct	LD_{50}	1150
548	Diallyl phthalate	Mouse	ip	LD_{50}*	671[2]
		Rat	or	LD	786[3]
		Rat	or	LD	1679
		Rabbit	or	LD	1679
		Rabbit	sc	LD	1119
		Rabbit	ct	LD_{50}	3357
549	4,4'-Diamidinostilbene	Mouse	ip	LD_{50}	43-53
		Hamster	ip	LD_{50}	50
550	3,6-Diaminocarbazole 2HCl	Rat	or	LD_{50}	1035
551	Diamylphenol	Rat ?	ip	LD_{50}	620
552	Diatrin HCl	Mouse	ip	LD_{50}	117
553	Diazinon	Rat	or	LD_{50}	32[4]
		Rat	or	LD_{50}	1150[5]
554	Dibenamine	Mouse	sc	LD_{50}	800
555	Dibenzazepine	Mouse	iv	LD_{50}	52±1.6

/1/ Undiluted. /2/ 5% solution in oil. /3/ 25% solution in oil. /4/ Technical grade, 95%.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
		3 hr	Latven, J. Pharm. Exp. Ther. 65:89, 1939.	539
		1/3-4 hr	Li, Proc. Soc. Exp. Biol. Med. 46:26, 1941.	
		24 hr	Latven, J. Pharm. Exp. Ther. 65:89, 1939.	
		1/3-4 hr	Li, Proc. Soc. Exp. Biol. Med. 46:26, 1941.	
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	540
			Ibid	
			Walton, J. Pharm. Exp. Ther. 33:175, 1928.	
			Ibid	
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	541
			Ibid	
			Castillo, J. Pharm. Exp. Ther. 99:458, 1950.	542
			Treon, Arch. Ind. Hyg. Occ. Med. 4:573, 1951.	543
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1342.	544
		1 hr+	Vogt, Arch. exp. Path. Pharm. 152:341, 1930.	
			Gros, Arch. exp. Path. Pharm. 182:348, 1936.	
			Flury, Abderhalden's Hdb. 4. 7b:1342.	
			Ibid	
			Ibid	
			Hagan, Fed. Proc. 8:299, 1948.	545
			Ibid	
			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	546
			Ibid	
250-350			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	547
910-1450			Ibid	
	Oil		McOmie, Univ. Cal. Publ. Pharmacol. 2:17, 1949.	548
	Oil		Ibid	
			Ibid	
		3 hr	McOmie, Fed. Proc. 5:191, 1946.	
			Ibid	
			McOmie, Univ. Cal. Publ. Pharmacol. 2:17, 1949.	
			Soong, Fed. Proc. 1:167, 1942.	549
			Ibid	
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	550
			Mallette, Arch. Ind. Hyg. Occ. Med. 5:311, 1952.	551
			Castillo, J. Pharm. Exp. Ther. 96:388, 1949.	552
			Bruce, Fed. Proc. 13:339, 1954.	553
			Ibid	
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	554
			Randall, J. Pharm. Exp. Ther. 103:10, 1951.	555

/5/ 23% wettable powder.

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
556	N, N'-Dibenzylethylenediamine 2HCl	Mouse Mouse	or ip	LD_{50} LD_{50}	630 103. 9
557	1, 4-Dibromo-2-butene	Rat	or	LD_{50}	75
558	1, 4-Dibromobutene	Rat	or	LD_{50}	75
559	Dibromosalicyl	Rat Rat Rat	ip ip ip	LD_{50}* LD_{50} LD_{50}*	125 >1200 1550
560	1, 1-Dibutoxyethane	Rat	or	LD_{50}	8790
561	1, 2-Dibutoxyethane	Rat	or	LD_{50}	3250
562	Dibutyl adipate	Rat Rabbit	or ct	LD_{50} LD_{50}	12, 900 20, 000
563	n-Dibutylamine	Rat Rabbit	or ct	LD_{50} LD_{50}	550 1. 01 cc
564	Dibutylaminoethanol	Rat Rabbit	or ct	LD_{50} LD_{50}	1070 1. 69 cc
565	Dibutyl fumarate	Rat Rabbit	or ct	LD_{50} LD_{50}	8530 15, 900
566	2-Di-n-butyl-4-hydroxymethyl-1, 3-dioxolane	Mouse	ip	LD50	829.44±82.08
567	Dibutyl phosphite	Rat Rabbit	or ct	LD_{50} LD_{50}	3200 2000
568	Dibutyl phthalate	Mouse	ip	LD_{50}	4140
569	Dibutyl sebacate	Rat	or	LD	1600-3200
570	2, 2'-Dichloroacetic acid	Mouse Rat Rabbit	or or ct	LD_{50} LD_{50} LD_{50}	5520 4480 510
571	2, 2'-Dichloroacetyl chloride	Rat Rabbit	or ct	LD_{50} LD_{50}	2460 650
572	β-Dichloroacrylonitrite	Mouse	ip	LD_{50}	6. 7
573	o-Dichlorobenzene	Rabbit	iv	LD	326-652
574	p-Dichlorobenzene	Rat	ip	$LD_{\ 0}$	2562
575	1, 4-Dichlorobutene-2	Rat Rabbit	or ct	LD_{50} LD_{50}	89 620
576	p, p'-Dichlorodiphenylmethylether of Dimethylaminoethanol	Mouse	ip	LD_{50}	72±2
577	1, 1-Dichloroethane	Rat Dog Dog	or or iv	LD_{50} MLD MLD	14, 100 2500 175
578	1, 2-Dichloroethane (continued on next page)	Mouse Rat Rabbit Rabbit	or or or ct	LD_{50} LD_{50} LD_{50} LD50	910 770 910 3890

/1/ Buffered with borate. /2/ 10%. /3/ 3%.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Seifter, Antibiotics 1:504, 1951.	556
92.8-116.4			Ibid	
57-97			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	557
57-97			Smyth, unpublished data, Mellon Inst.	558
	H_2O[1]	48 hr	Quadbeck, Klin Wschr. 27:449, 1949.	559
	G arabic[2]	48 hr	Ibid	
	Mucin[3]	48 hr	Ibid	
7960-9700			Smyth, unpublished data, Mellon Inst.	560
2820-3740			Smyth, unpublished data, Mellon Inst.	561
9,900-17,000			Smyth, J. Ind. Hyg. Occ. Med. 4:119, 1951.	562
			Ibid	
480-620			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	563
0.68-1.49 cc			Ibid	
980-1170			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	564
1.20-2.36 cc			Ibid	
6,120-11,900			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	565
7,820-32,200			Ibid	
			Berger, Arch. int. pharmacod. 85:474, 1951.	566
			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	567
			Ibid	
			Karel, Fed. Proc. 6:342, 1947.	568
			Smyth, Arch. Ind. Hyg. Occ. Med. 7:310, 1953.	569
3810-8000		36 hr	Woodard, J. Ind. Hyg. Tox. 23:78, 1941.	570
4290-4690		36 hr	Ibid	
390-670			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	
1830-3230			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	571
530-810			Ibid	
		2/3-24hr	U. of Chicago Toxic. Lab. Rpt. 23, 1948.	572
			Cameron, J. Path. Bact. 44:281, 1937.	573
±0.0125(SE)			Zupke, J. Am. Pharm. Assoc. 38:124, 1949.	574
41-196			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	575
470-810			Ibid	
			Ensor, J. Pharm. Exp. Ther. 112:318, 1954.	576
11,700-17,100			Smyth, unpublished data, Mellon Inst.	577
	Oil	24 hr	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	
	Oil	30 min	Ibid	
870-950			Smyth, unpublished data, Mellon Inst.	578
670-890			Ibid	
860-970			Ibid	
3400-4460			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
578	1, 2-Dichloroethane (concluded)	Rabbit	sc	MLD	1600
		Dog	or	MLD	2500
		Dog	iv	LD	95-314
579	2, 2'-Dichloroethoxymethane	Rat	or	LD_{50}	65
		Guinea pig	or	LD_{50}	60
		Rabbit	ct	LD_{50}	410
580	2, 2'-Dichloroethyl ether	Mouse	or	LD_{50}	136
		Rat	or	LD_{50}	105
		Rabbit	or	LD_{50}	126
		Rabbit	ct	LD_{50}	410
581	2, 2'-Dichloroisopropyl ether	Rat	or	LD_{50}	240
		Guinea pig	or	LD_{50}	450
		Rabbit	ct	LD_{50}	3000
582	Dichloromethane	Rabbit	or	LD	1896
		Rabbit	sc	MLD	2700
		Dog	or	MLD	3000[1]
		Dog	iv	MLD	200
583	Dichloro-β-naphthol	Mouse	sc	LD	700
584	1, 1-Dichloro-1-nitroethane	Rabbit	or	LD	150-200
585	2, 4-Dichlorophenol-1	Rat	or	LD_{50}	580[2]
		Rat	sc	LD	1730
586	Dichlorophenoxyethanediol	Rat	or	LD_{50}	1070
		Rabbit	ct	LD_{50}	420
587	1, 1-Dichloropropane	Rat	or	LD_{50}	6500
588	1, 2-Dichloropropane	Mouse	or	LD_{50}	860
		Rat	or	LD_{50}	2270
		Rabbit	or	LD_{50}	1330
		Rabbit	ct	LD_{50}	8750
589	2, 3-Dichloropropanol	Rat	or	LD_{50}	90
		Rabbit	ct	LD_{50}	200
590	2, 3-Dichloropropionaldehyde	Rat	or	LD_{50}	160
		Rabbit	ct	LD_{50}	78
591	3, 9-Dichloropropylenebenzazepine	Mouse	ip	LD_{50}	316
		Mouse	iv	LD_{50}	47
592	γ-Dichroine	Mouse	or	LD_{50}	2.74±0.41
		Mouse	iv	LD_{50}	10.0±0.5
593	Dicodid(e) (base)	Mouse	sc	LD_{50}	8.57
594	Di-o-cresylphosphate (continued on next page)	Rat	iv	MLD	800

/1/ Emulsion in H_2O. /2/ 20% solution in fuel oil.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
	Oil	24 hr	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	578
	Oil	24 hr	Ibid	
		8-24 hr	Kistler, Current Res. Anes. 8:65, 1929.	
60-70			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	579
54-66			Smyth, unpublished data, Mellon Inst.	
360-460			Ibid	
112-165			Smyth, unpublished data, Mellon Inst.	580
95-116			Ibid	
117-135			Ibid	
350-480			Ibid	
220-270			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	581
410-500			Smyth, unpublished data, Mellon Inst.	
1780-5040			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	
			Führer, Arch. exp. Path. Pharm. 97:86, 1923.	582
	Oil	24 hr	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	
	H_2O	24 hr	Ibid	
	Oil	30 min	Ibid	
			Bechold, Zschr. Hyg. Infkr. 64:112, 1909.	583
			Machle, J. Ind. Hyg. Tox. 27:95, 1945.	584
	Fuel oil		Deichmann, Fed. Proc. 2:76, 1943.	585
			Ibid	
700-1650			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	586
250-710			Ibid	
4950-8530			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	587
600-1220			Smyth, unpublished data, Mellon Inst.	588
1930-2660			Ibid	
990-1800			Ibid	
8310-9200			Ibid	
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	589
			Ibid	
140-190			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	590
54-112			Ibid	
			Randall, J. Pharm. Exp. Ther. 103:10, 1951.	591
			Ibid	
		2-3 da	Henderson, J. Pharm. Exp. Ther. 95:191, 1949.	592
		2-3 da	Ibid	
			Eddy, J. Pharm. Exp. Ther. 52:468, 1934.	593
			Smith, J. Pharm. Exp. Ther. 51:217, 1934.	594

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
594	Di-o-cresylphosphate (concluded)	Rabbit	iv	MLD	500-700
		Cat	iv	MLD	300
595	Dicumarol	Mouse	or	LD$_{50}$	232.8±46.56
		Mouse	ip	LD$_{50}$	<350
		Mouse	iv	LD$_{50}$	64.3±6.11
		Rat	or	LD$_{50}$	541.6±67.7
		Rat	iv	LD$_{50}$	52.13±1.79
		Guinea pig	iv	LD$_{50}$	58.6±2.29
		Dog	iv	LD	40
596	Dicyan	Frog	sc	LD	43-47
		Rabbit	sc	LD	13
597	Di-(2-cyanoethyl)amine	Rat	or	LD$_{50}$	2700
		Rabbit	ct	LD$_{50}$	10,000
598	Di-(2-cyanoethyl)sulfide	Rat	or	LD$_{50}$	4210
		Rabbit	ct	LD$_{50}$	4500
599	p-Di-β-diethylaminoethoxybenzene-diethiodide	Mouse	sc	LD$_{50}$	2.8±0.2
600	Di-2, 5-dimethylphenoxyethyl-β-chloroethanolamine	Mouse	ip	LD$_{50}$	>1000
601	Di-3, 5-dimethylphenoxyethyl-β-chloroethylamine	Mouse	sc	LD$_{50}$	>1000
602	Dieldrin	Rat	or	LD$_{50}$	50-55
		Rat	or	LD$_{50}$*	87
		Rabbit	ct	LD$_{50}$	>150[1]
		Dog	or	LD$_{50}$	65-95
		Chicken	or	LD$_{50}$	25
603	1, 2, 3, 4-Diepoxybutane	Rat	or	LD$_{50}$	78
		Rabbit	ct	LD$_{50}$	0.089 cc
604	Diethamine	Mouse	sc	LD$_{50}$	4.7±0.4
605	1, 2-Diethoxyethane	Rat	or	LD$_{50}$	4390
		Guinea pig	or	LD$_{50}$	2440
		Rabbit	or	LD$_{50}$	2520
		Rabbit	ct	LD$_{50}$	8000
606	Diethoxythiophosphoric acid ester of 2-Ethyl-mercaptoethanol (Tech. grade)	Rat	ip	LD$_{50}$	3
607	Diethylamine	Rat	or	LD$_{50}$	540
		Rabbit	ct	LD$_{50}$	820
608	3-Diethylamino-1, 1-di-(2'-thienyl)butane HCl	Mouse	or	LD	293
		Mouse	sc	LD	196
609	3-Diethylamino-1, 1-di-(2'-thienyl)butene HCl	Mouse	or	LD$_{50}$	195-203
		Mouse	sc	LD$_{50}$	101

/1/ 4% solution.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Smith, J. Pharm. Exp. Ther. 51:217, 1934.	594
			Ibid	
			Rose, Proc. Soc. Exp. Biol. Med. 50:228, 1942.	595
			Brodersen, Acta pharm. tox. 2:109, 1946.	
			Rose, Proc. Soc. Exp. Biol. Med. 50:228, 1942.	
			Ibid	
			Ibid	
			Ibid	
		30-40min	Wakim, Surg. Gyn. Obst. 76:323, 1943.	
			Heymans, Arch. int. pharmacod. 3:77, 1897.	596
			Ibid	
			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	597
			Ibid	
			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	598
			Ibid	
			Winter, J. Pharm. Exp. Ther. 100:489, 1950.	599
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	600
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	601
			Lidov, Advances Chem. 1:175, 1951.	602
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
	H_2O		Lehman, Q. Bull. Assoc. F. & D. Off. 16:3, 1952.	
			Princi, Arch. Ind. Hyg. Occ. Med. 3:67, 1951.	
			Eden, J. Econ. Entomol. 44:1013, 1951.	
59-102			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	603
0.055-0.144 cc			Ibid	
			Winter, J. Pharm. Exp. Ther. 100:489, 1950.	604
3650-5310			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	605
2220-2690			Ibid	
2400-2640			Smyth, unpublished data, Mellon Inst.	
5,920-10,820			Ibid	
			DuBois, Arch. Ind. Hyg. Occ. Med. 6:9, 1952.	606
350-830			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	607
530-1260			Ibid	
280-307			Eddy, J. Pharm. Exp. Ther. 107:385, 1953.	608
186-207			Ibid	
			Eddy, J. Pharm. Exp. Ther. 107:385, 1953.	609
95-107			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
610	Diethylaminoethanol-α-allyl-diphenylacetate HCl	Mouse	ip	LD_{50}	185
611	Diethylaminoethylbenzazepine	Mouse	ip	LD_{50}	205±9
		Mouse	iv	LD_{50}	25±6.5
612	N-Diethylaminoethyl chloride	Rat	or	LD_{50}	17
		Rabbit	ct	LD_{50}	300
613	β-Diethylaminoethylcumate HCl	Mouse	ip	LD_{50}	370±18.2
614	β-Diethylaminoethyl-9, 10-dihydro-anthracene-9-carboxylate HCl	Rat	or	LD_{50}	>400
615	Diethylaminomethylbenzodioxan	Frog	sc	LD	250
		Mouse	sc	LD	500
		Guinea pig	or	LD	400
		Guinea pig	sc	LD	400
		Rabbit	sc	LD	300
		Rabbit	iv	LD	20
		Rooster	sc	LD	150
616	Diethylaminopropylcumate HCl	Mouse	ip	LD_{50}	238±15.5
617	Diethylammonium-p-aminobenzoate	Mouse	ip	LD	1550
		Rat	im	LD	2000
		Rat	ip	LD	1610
		Rat	iv	LD	520
618	Diethyl-bis(dimethylamido)-pyrophosphate (asymmetric)	Mouse♂	ip	LD_{50}*	4.9
		Mouse♀	ip	LD_{50}*	4.7
		Rat♀	or	LD_{50}*	3.8
		Rat♂	ip	LD_{50}*	2.7
		Rat♀	ip	LD_{50}*	2.4
		Guinea pig	ip	LD_{50}*	5-7
		Dog	iv	LD_{50}*	10-15
619	Diethyl-bis(dimethylamido)-pyrophosphate (symmetric)	Mouse♂	ip	LD_{50}	16.4
		Mouse♀	ip	LD_{50}	17
		Rat♀	or	LD_{50}	12.4
		Rat♂	ip	LD_{50}	11.5
		Rat♀	ip	LD_{50}	10
		Guinea pig	ip	LD_{50}	13-16
		Dog	iv	LD_{50}	25-30
620	Diethyl-β-chloroethylamine	Mouse	sc	LD_{50}	100
		Mouse	iv	LD_{50}	100
		Rabbit	iv	LD_{50}	40-100
621	Diethyl-2-chlorovinyl phosphate	Mouse♂	or	LD_{50}	32.9
		Mouse♀	or	LD_{50}	18
	(continued on next page)	Rat♂	or	LD_{50}	10

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Randall, J. Pharm. Exp. Ther. 104:284, 1952.	610
			Randall, J. Pharm. Exp. Ther. 103:10, 1951. Ibid	611
11-27			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951. Ibid	612
			Williams, J. Am. Pharm. Assoc. 40:471, 1951	613
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	614
			Bovet, Arch. int. pharmacod. 55:15, 1934. Ibid Zunz, Arch. int. pharmacod. 48:287, 1934. Ibid Ibid Ibid Ibid	615
			Williams, J. Am. Pharm. Assoc. 40:471, 1951.	616
			Mainardi, Boll. soc. ital. biol. sper. 27:275, 1951 Ibid Ibid Ibid	617
			DuBois, J. Pharm. Exp. Ther. 107:464, 1953. Ibid Ibid Ibid Ibid Ibid Ibid	618
			DuBois, J. Pharm. Exp. Ther. 107:464, 1953. Ibid Ibid Ibid Ibid Ibid Ibid	619
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947. Ibid Ibid	620
31.1-34.9 15.3-21.2 9.4-10.7			Kodama, Arch. Ind. Hyg. Occ. Med. 9:45, 1954. Ibid Ibid	621

	Compound	Animal	Route	Dose	Dosage mg /kg
					Value
621	Diethyl-2-chlorovinyl phosphate (concluded)	Rat♀	or	LD_{50}	10.5
		Rat♀	or	LD_{50}	9
		Rabbit♂	or	LD_{50}*	3.37
		Rabbit	ct	LD_{50}*	17.6
622	Diethylene glycol	Mouse	or	LD_{50}	26,828
		Mouse	sc	LD*	5660
		Mouse	ip	LD_{50}	9737
		Rat	or	LD_{60}	16,980
		Rat	or	LD_{50}	16,980
		Rat	or	LD_{50}	12,565
		Rat	im	LD_{50}	7924
		Rat	ip	LD_{50}*	12,500
		Rat	iv	LD_{50}	6565[1]
		Guinea pig	or	LD_{50}	13,210
		Rabbit	im	LD	4528
		Rabbit	iv	LD	2264
		Dog	or	LD	16,980[1]
623	Diethylene glycol ethyl ether	Rat	or	LD_{50}	8690
624	Diethylene glycol monobutyl ether acetate	Mouse	or	LD_{50}	6.6 cc
		Rat	or	LD_{50}	7.1 cc
		Guinea pig	or	LD_{50}	2.7 cc
		Rabbit	or	LD_{50}	2.8 cc
		Chicken	or	LD_{50}	5.0 cc
625	Di-(2-ethylhexyl)amine	Rat	or	LD_{50}	1640
		Rabbit	ct	LD_{50}	1190
626	Di-(2-ethylhexyl)phthalate	Rat	or	LD_{50}	30,600
		Rat	ip	LD_{50}	30,700
		Rabbit	or	LD_{50}	33,900
627	2,2-Diethyl-4-hydroxymethyl-1,3-dioxolane	Mouse	ip	LD_{50}	1059.2±99.2
628	Diethyl ketone	Rat	or	LD_{50}	2140
		Rabbit	ct	LD_{50}	2000
629	O-s-Diethyl-O-(p-nitrophenyl)-phosphate	Frog	sc	MLD	50-100
		Mouse	sc	MLD	25-60
		Mouse	sc	MLD	20
		Rat	or	MLD	50-100
630	O,O-Diethyl-s-(p-nitrophenyl)-phosphate	Frog	sc	MLD	10
		Mouse	sc	MLD	2.5-5.0
		Mouse	sc	MLD	1.25
		Rat	or	MLD	2.5-5.0
631	Diethyl-p-nitrophenylthiophosphate	Frog	sc	MLD	200
		Mouse	sc	MLD	20
		Mouse	sc	MLD	10.0-12.5
		Mouse	sc	LD_{50}	15-25
		Rat	or	MLD	6.4
		Rabbit	ct	LD_{100}	140[2]

/1/ 70% solution in H_2O. /2/ At 15°-25° C.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
9.9-11.1			Kodama, Arch. Ind. Hyg. Occ. Med. 9:45, 1954	621
7.4-11.3			Ibid	
2.29-4.45			Ibid	
8.0-27.2			Ibid	
		1-5 da	Laug, J. Ind. Hyg. Tox. 21:173, 1939.	622
			Von Oettingen, J. Pharm. Exp. Ther. 42:355, 1931.	
			Karel, Fed. Proc. 6:342, 1947.	
			Haag, J. Pharm. Exp. Ther. 59:93, 1937.	
		2-5 da	Geiling, J. Am. Med. Assoc. 109:1532, 1939.	
			Poe, Proc. Soc. Exp. Biol. Med. 37:559, 1938.	
			Haag, J. Pharm. Exp. Ther. 59:93, 1937.	
			Poe, Proc. Soc. Exp. Biol. Med. 37:559, 1938.	
	H_2O		Weatherby, J. Am. Pharm. Assoc. 28:12, 1939.	
11,640-14,990			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	
			Haag, J. Pharm. Exp. Ther. 59:93, 1937.	
		1-14 da	Ibid	
	H_2O	3-4 da	Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	
7,250-10,410			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	623
			Draize, J. Pharm. Exp. Ther. 93:26, 1951.	624
			Ibid	
			Ibid	
			Ibid	
			Ibid	
1440-1870			Smyth, J. Ind. Tox. 31:60, 1949	625
850-1670			Smyth, unpublished data, Mellon Inst.	
20,800-45,200		6 da	Shaffer, J. Ind. Hyg. Tox. 27:130, 1945.	626
23,200-40,600		6-14 da	Ibid	
25,200-45,700		6-14 da	Ibid	
			Berger, Arch. int. pharmacod. 85:474, 1951.	627
1540-2990			Smyth, unpublished data, Mellon Inst.	628
			Ibid	
	H_2O+cello		Hecht, Arch. exp. Path. Pharm. 211:264, 1950.	629
	Oil		Ibid	
	H_2O+cello		Ibid	
	H_2O+det		Ibid	
	H_2O+cello		Hecht, Arch. exp. Path. Pharm. 211:264, 1950.	630
	Oil		Ibid	
	H_2O+cello		Ibid	
	H_2O+det		Ibid	
	H_2O+cello		Hecht, Arch. exp. Path. Pharm. 211:264, 1950.	631
	Oil		Ibid	
	H_2O+cello		Ibid	
			Uhry, Arch. mal. profess. 11:589, 1950.	
	H_2O+det		Hecht, Arch. exp. Path. Pharm. 211:264, 1950.	
			Uhry, Arch. mal. profess. 11:589, 1950.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
632	Diethyl phthalate	Mouse	ip	LD_{50}	2750
		Guinea pig	sc	LD	3000
		Rabbit	or	LD	1000[1]
		Rabbit	iv	LD	100[2]
		Dog	iv	LD	280
633	2, 2-Diethyl-1, 3-propandiol	Mouse	or	LD_{50}	1550±110
		Mouse	ip	LD_{50}	1220±92
		Mouse	iv	LD_{50}	1170±67
		Rat	or	LD_{50}	1400±181
		Rat	or	LD_{50}	850
		Rat	ip	LD_{50}	700±67
		Rat	iv	LD_{50}	635±48
		Rabbit	ct	LD_{50}	4. 24 cc
634	Diethylstilbestrol	Mouse	or	LD	2500-5000
		Mouse	sc	LD	500-1000
635	N, N-Diethylsuccinamide-n-propylester	Mouse	or	LD_{50}	6. 3
		Rat	or	LD_{50}	6. 6
636	Diethyl succinate	Rat	or	LD_{50}	8530
637	Diethyl sulfate	Rat	or	LD_{50}	880
638	N, N-Diethylthymyloxyacetamidine HCl	Rat	iv	LD_{50}	38. 4[3]
639	Digilanid	Cat	iv	MLD	0. 34
640	Digitalein	Frog	sc	LD	5-32
		Mouse	sc	LD	11-65
		Cat	iv	LD	3. 0-3. 5
641	Digitalin	Frog	sc	LD	6-22
		Rat	sc	LD	120
		Guinea pig	sc	LD	5-16
		Rabbit	or	LD	20
		Rabbit	sc	LD	15
		Rabbit	iv	LD	3
		Cat	sc	LD	4
		Cat	iv	LD	0. 97-8. 0
		Cat	iv	LD	1. 362
		Pigeon	or	LD	7. 5[4]
		Pigeon	sc	LD	0. 5[4]
642	Digitonin	Mouse	or	LD	90
		Mouse	sc	LD	200
		Mouse	iv	LD	10
643	Digitoxigonin	Cat	iv	LD	0. 42
644	Digitoxin	Frog	sc	LD	3. 3-6. 0
		Toad	sc	LD	63
		Mouse	sc	LD	14
		Rat	iv	LD	12. 2[5]
	(continued on next page)	Rabbit	or	LD	100

/1/ 6% suspension in gum acacia solution. /2/ 10% emulsion in H_2O. /3/ Injected over
tion in 40% alcohol.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Karel, Fed. Proc. 6:342, 1947.	632
			Kemp, Dissert., Würzburg 1934.	
	G acacia		Ibid	
	H_2O		Ibid	
	N saline		Blickensdorfer, J. Am. Pharm. Assoc. 19:1179, 1930.	
			Berger, J. Pharm. Exp. Ther. 100:27, 1950.	633
			Ibid	
			Ibid	
			Ibid	
780-930			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	
			Berger, J. Pharm. Exp. Ther. 100:27, 1950.	
			Ibid	
3.01-5.95 cc			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	
	Ses oil	1 hr	Kreitmair, Klin. Wschr. 18:156, 1939.	634
		10-16 da	Ibid	
			Draize, J. Pharm. Exp. Ther. 93:23, 1948.	635
			Ibid	
6,110-11,900			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	636
760-1010			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	637
			Craver, Am. J. Dig. Dis. 18:241, 1951.	638
			Röthlin, Münch. med. Wschr. 80:726, 1933.	639
			Lendle, Heffter's Hdb. E. 1:78.	640
			Ibid	
			Ibid	
			Lendle, Heffter's Hdb. E. 1:78.	641
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
	Dil alc		White, J. Pharm. Exp. Ther. 52:1, 1934.	
			Flury, Abderhalden's Hdb. 4.7b:1343.	
			Ibid	
		2 da	Flury, Abderhalden's Hdb. 4.7b: 1395.	642
		1 da	Ibid	
		2 da	Ibid	
		45 min	Mehnert, Arch. exp. Path. Pharm. 184:181, 1936.	643
			Lendle, Heffter's Hdb. E. 1:78.	644
	Alcohol		Flury, Abderhalden's Hdb. 4.7b:1343.	
			Lendle, Heffter's Hdb. E. 1:78.	
	Alcohol		Heubner, Arch. exp. Path. Pharm. 177:60, 1934.	
			Lendle, Heffter's Hdb. E. 1:78.	

period of 30 minutes. /4/ Uncertain whether data are per kilo or per animal. /5/ 0.1% solu-

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
644	Digitoxin (concluded)	Rabbit Cat Cat Cat Dog	iv or sc iv sc	LD LD LD LD LD	1-6 0.25 0.35 0.3-0.41 0.5
645	Digitoxoside	Cat	iv	LD_{50}	0.478±0.03
646	Diglycol chlorhydrine	Rat Guinea pig	or ct	LD_{50} LD_{50}	6300 3000
647	Digoxin^{1}	Guinea pig Rabbit Cat	im iv iv	LD_{50} LD_{50} LD_{50}	0.63 3.56 0.442
648	Dihexylamine	Rat Guinea pig Rabbit	or or ct	LD_{50} LD_{50} LD_{50}	380 95 170
649	1,2-Dihydrazinophthalazine	Mouse	ip	LD_{50}	290±9
650	Dihydroergotamine	Mouse Rat Rabbit Cat	iv iv iv sc	LD_{50} LD_{50} LD_{50} LD_{50}	118 110 25 68
651	Dihydroerythroidene	Mouse	sc	LD	9.3
652	Dihydro-β-erythroidine	Rat Rabbit Dog	iv iv iv	LD_{50} LD_{50} LD_{50}	8.9 2.1 1.1
653	Dihydromorphine HCl	Mouse Rabbit	sc sc	LD_{50} LD_{50}	133.1^{2} 160
654	Dihydrorotenone	Rat Rat	or or	LD_{50}* LD_{50}*	2500 330
655	Dihydroxyephedrine	Rabbit	iv	LD	10
656	2,4-Dihydroxyphenylpropanolamine	Rabbit	iv	LD	12
657	3,4-Dihydroxyphenylpropanolamine	Rabbit	iv	LD	11
658	(2,5-Dihydroxyphenyl)trimethylammonium bromide	Mouse	iv	LD_{50}	38±2
659	Diisobutylcarbinol	Rat Rabbit	or ct	LD_{50} LD_{50}	3560 5660
660	Diisobutylene oxide	Rat Rabbit	or ct	LD_{50} LD_{50}	4920 14.1 cc
661	2,2-Diisobutyl-4-hydroxymethyl-1,3-dioxolane	Mouse	ip	LD_{50}	529.2±43.2
662	Diisobutyl ketone	Rat Rabbit	or ct	LD_{50} LD_{50}	5750 20,000
663	1,2-Diisopropoxy-2-propanolglyceryl-α-γ-diisopropylether	Mouse	or	LD_{50}	1.86±0.06 cc

/1/ From Digitalis lanata. /2/ As the base. /3/ Bovet and Bovet-Nitti, "Medicaments du

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Lendle, Heffter's Hdb. E. 1:78.	644
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Peterfalvi, Arch. int. pharmacod. 87:425, 1951.	645
			Smyth, J. Ind. Hyg. Tox. 26:269, 1944.	646
			Ibid	
		24 hr	White, J. Pharm. Exp. Ther. 52:1, 1934.	647
	Alc sal	12-30min	Walker, J. Pharm. Exp. Ther. 70:239, 1940.	
	Alc sal		White, J. Pharm. Exp. Ther. 52:1, 1934.	
280-500			Smyth, unpublished data, Mellon Inst.	648
76-118			Ibid	
120-240			Ibid	
			Walker, J. Pharm. Exp. Ther. 101:369, 1951.	649
			Röthlin, Helvet. physiol. acta 2:48, 1944.	650
			Ibid	
			Ibid	
			Ibid	
			Unna, J. Pharm. Exp. Ther. 80:39, 53, 1944.	651
			Chase, J. Pharm. Exp. Ther. 82:266, 1944.	652
			Ibid	
			Ibid	
150-290			Eddy, J. Pharm. Exp. Ther. 52:468, 1934.	653
			Eddy, J. Pharm. Exp. Ther. 66:182, 1939.	
			Ambrose, J. Am. Pharm. Assoc. 42:364, 1953.	654
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
			Bovet & Bovet-Nitti.[3]	655
			Hartung, J. Am. Chem. Soc. 53:4149, 1931.	656
			Hartung, J. Am. Chem. Soc. 53:4149, 1931.	657
			Randall, J. Pharm. Exp. Ther. 100:83, 1950.	658
1430-8860			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	659
2,510-12,800			Ibid	
3750-6460			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	660
8.7-22.9 cc			Ibid	
			Berger, Arch. int. pharmacod. 85:474, 1951.	661
4690-7060			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	662
			Ibid	
		10 da	Hine, Arch. Ind. Hyg. Occ. Med. 2:579, 1950.	663

Système Nerveux Végétatif," New York: S. Karger, 1948.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
664	Diisopropylamine	Rat	or	LD_{50}	770
665	Diisopropyl fluorophosphate	Mouse	or	LD_{50}	36.8±0.98
		Mouse	ct	LD_{50}	72[1]
		Mouse	sc	LD_{50}	4.67±0.28[2]
		Mouse	sc	LD_{50}	3.22±0.31[3]
		Mouse	sc	LD_{50}	3.71-4.0
		Rat♀	or	LD_{50}	7.7±0.64
		Rat♂	or	LD_{50}	13.5±0.35
		Rat	or	LD_{50}	5-10
		Rat	sc	LD_{50}	3
		Rat	im	LD_{50}	2
		Rabbit	or	LD_{50}	4.0-9.78
		Rabbit	ct	LD	117[1]
		Rabbit	im	LD_{50}	0.75
		Rabbit	sc	LD_{50}	1
		Rabbit	io	LD_{50}	1.15[1]
		Rabbit	ip	LD_{50}	1
		Rabbit	iv	LD_{50}	0.34±0.01
		Rabbit	iv	2/10[4]	0.3
		Rabbit	iv	10/12[4]	0.4
		Rabbit	iv	10/10[4]	0.5
		Rabbit	im	0/2[4]	0.5
		Rabbit	im	1/2[4]	0.75
		Rabbit	im	7/7[4]	1
		Cat	iv	LD_{50}	1.63±0.03
		Dog	sc	LD_{50}	3
		Dog	iv	LD_{50}	3.43±0.62
		Monkey	iv	LD_{50}	0.25-0.30
		Goat	sc	LD_{50}	1
		Goat	iv	LD_{50}	0.8
666	α, γ-Diisopropylglyceryl ether	Mouse	or	LD_{50}	1860±58
667	2, 2-Diisopropyl-4-hydroxymethyl-1, 3-dioxolane	Mouse	ip	LD_{50}	729.44±73.32
668	Di-2-isopropyl-5-methylphenoxyethyl-β-chloroethylamine	Mouse	sc	LD_{50}	>1000
669	Diisopropyl tartrate	Mouse	or	LD_{50}	6.3 cc
		Rat	or	LD_{50}	6 cc
670	Dilantin	Mouse	ip	LD_{50}	190±13
		Mouse	ip	LD_{50}	200
		Rat	or	MLD	>2200
		Rat	ip	LD_{50}	280
		Rat	iv	MLD	160
		Rabbit	iv	LD_{50}	125
		Dog	iv	MLD	90
671	Dilaudid HCl	Mouse	sc	LD_{50}	84.26[5]
		Mouse	iv	LD_{50}	80-96

/1/ Pure. /2/ At 23°-25° C. /3/ At 4° C. /4/ No. animals died/no. animals tested. /5/ Base.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
610-940			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	664
	H_2O	48 hr	Horton, J. Pharm. Exp. Ther. 87:414, 1946.	665
		48 hr	Ibid	
			Streicher, Proc. Soc. Exp. Biol. Med. 76:536, 1951.	
			Ibid	
	N saline	48 hr	Horton, J. Pharm. Exp. Ther. 87:414, 1946.	
			Frawley, J. Pharm. Exp. Ther. 105:156, 1952.	
			Ibid	
	H_2O	48 hr	Horton, J. Pharm. Exp. Ther. 87:414, 1946.	
	H_2O		Ibid	
	H_2O		Ibid	
	H_2O		Ibid	
			Ibid	
			McNamara, J. Pharm. Exp. Ther. 88:27, 1946.	
	H_2O		Horton, J. Pharm. Exp. Ther. 87:414, 1946.	
			Ibid	
	Triacetin		Ibid	
	N saline		Ibid	
		3½-4 hr	McNamara, J. Pharm. Exp. Ther. 88:27, 1946.	
		1/4-2 hr	Ibid	
		5-21 min	Ibid	
			Ibid	
		83 min	Ibid	
		3/4-4½ hr	Ibid	
	Prop gly		Horton, J. Pharm. Exp. Ther. 87:414, 1946.	
	H_2O		Ibid	
	Prop gly		Ibid	
	N saline		Ibid	
	H_2O		Ibid	
	N saline		Ibid	
			Loeb, Fed. Proc. 8:316, 1949.	666
			Berger, Arch. int. pharmacod. 85:474, 1951.	667
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	668
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	669
			Ibid	
			Way, J. Pharm. Exp. Ther. 81:265, 1946.	670
		72 hr	Gruber, J. Pharm. Exp. Ther. 68:433, 1940.	
			Gruhzit, Arch. Path. 28:761, 1939.	
		2-72 hr	Gruber, J. Pharm. Exp. Ther. 68:433, 1940.	
			Gruhzit, Arch. Path. 28:761, 1939.	
			Gruber, J. Pharm. Exp. Ther. 68:433, 1940.	
			Gruhzit, Arch. Path. 28:761, 1939.	
			Eddy, J. Pharm. Exp. Ther. 52:468, 1934.	671
		2-24 hr	Buchwald, J. Pharm. Exp. Ther. 71:197, 1941.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
672	1, 1-Dimethoxyethane	Rat	or	LD_{50}	6500
		Rabbit	ct	LD_{50}	20,000
673	6, 7-Dimethoxy-1-(4'-ethoxy-3'-methoxybenzyl)-3-methylisoquinoline	Mouse	iv	LD_{50}	112.7[1]
		Rat	or	LD_{50}	1961[2]
		Rat	or	LD_{50}	2069[1]
674	Di-2-methoxyphenoxyethyl-β-chloroethylamine	Mouse	sc	LD_{50}*	40
675	3, 4-Dimethoxyphenylethylamine	Mouse	ip	LD	420
676	Dimethylamine	Mouse	sc	LD	2000
		Rabbit	iv	LD	3000-5000
677	2-Dimethylaminobenzimidazole	Mouse	iv	LD_{50}*	80
678	2-Dimethylaminobenzothiazole	Mouse	iv	LD_{50}	131±5
679	3-Dimethylamino-1, 1-diphenyl-1-butanol	Mouse	sc	LD_{50}	300
680	L-3-Dimethylamino-1, 1-diphenyl-butylethylsulfone	Mouse	sc	LD_{50}	175
681	6-Dimethylamino-4, 4-diphenyl-3-heptanol	Mouse	sc	LD_{50}	140
682	D-6-Dimethylamino-4, 4-diphenyl-3-heptanone	Mouse	sc	LD_{50}	40
683	DL-6-Dimethylamino-4, 4-diphenyl-3-heptanone	Mouse	sc	LD_{50}	40
684	L-6-Dimethylamino-4, 4-diphenyl-3-heptanone	Mouse	sc	LD_{50}	40
685	7-Dimethylamino-4, 4-diphenyl-3-heptanone	Mouse	sc	LD_{50}	80
686	6-Dimethylamino-4, 4-diphenyl-heptanone-3-acetylimine	Mouse	sc	LD_{50}	600
687	6-Dimethylamino-4, 4-diphenyl-3-heptanone methochloride	Mouse	sc	LD_{50}	175
688	6-Dimethylamino-4, 4-diphenyl-2-heptene	Mouse	sc	LD_{50}	600
689	6-Dimethylamino-4, 4-diphenyl-3-hexanone	Mouse	sc	LD_{50}	65
690	3-Dimethylamino-1, 1-diphenyl-3-methylbutane	Mouse	sc	LD_{50}	80
691	4-Dimethylamino-2, 2-diphenyl-3-methylbutanoate ethylester	Mouse	sc	LD_{50}	150
692	4-Dimethylamino-2, 2-diphenyl-3-methylbutyronitrile	Mouse	sc	LD_{50}	400

/1/ Phosphate. /2/Hydrochloride. /3/Bovet and Bovet-Nitti, "Médicaments du Système

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
5680-7460			Smyth, J. Ind. Hyg. Tox. 31:60, 1949. Ibid	672
			Henderson, J. Am. Pharm. Assoc. 40:207, 1951. Ibid Ibid	673
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	674
			Epstein, J. Physiol. 76:224, 1932.	675
			Bovet & Bovet-Nitti.[3] Ibid	676
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	677
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	678
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	679
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	680
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	681
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	682
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	683
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	684
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	685
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	686
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	687
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	688
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	689
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	690
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	691
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	692

Nerveux Végétatif," New York: S. Karger, 1948.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
693	6-Dimethylamino-4, 4-diphenyl-5-methyl-3-hexanol	Mouse	sc	LD_{50}	160
694	D-6-Dimethylamino-4, 4-diphenyl-5-methyl-3-hexanone	Mouse	ip	LD_{50}	150
695	DL-6-Dimethylamino-4, 4-diphenyl-5-methyl-3-hexanone	Mouse	sc	LD_{50}	70
696	L-6-Dimethylamino-4, 4-diphenyl-5-methyl-3-hexanone	Mouse	sc	LD_{50}	60
697	6-Dimethylamino-4, 4-diphenyl-5-methylhexanone-3-acetylimine	Mouse	sc	LD_{50}	300
698	6-Dimethylamino-4, 4-diphenyl-5-methylhexanone-3-ketimine	Mouse	sc	LD_{50}	150
699	6-Dimethylamino-4, 4-diphenyl-5-methyl-3-hexanone methochloride	Mouse	sc	LD_{50}	175
700	3-Dimethylamino-1, 1-diphenyl-3-methylpropane	Mouse	sc	LD_{50}	200
701	3-Dimethylamino-1, 1-diphenyl-2-methyl-1-propanol	Mouse	sc	LD_{50}	325
702	4-Dimethylamino-2, 2-diphenyl-pentanoate ethylester	Mouse	sc	LD_{50}	110
703	4-Dimethylamino-2, 2-diphenylpentanoate isopropylester	Mouse	sc	LD_{50}	200
704	4-Dimethylamino-2, 2-diphenyl-pentanoate methylester	Mouse	sc	LD_{50}	90
705	4-Dimethylamino-2, 2-diphenyl-valeronitrile	Mouse	sc	LD_{50}	150
706	3-Dimethylamino-1, 1-di-(2'-thienyl)butane	Mouse Mouse	or sc	LD_{50} LD_{50}	233[1] 158[1]
707	3-Dimethylamino-1, 1-di-(2'-thienyl)butene	Mouse Mouse	or sc	LD_{50} LD_{50}	199[1] 98[1]
708	β-Dimethylaminoethylcumate	Mouse	ip	LD_{50}	376±18.8
709	Dimethyl-bis-β-chloroethyl-ammonium chloride	Mouse	sc	LD_{50}	100-200
710	N, N'-Dimethyl-N, N'-bis-(β-chloroethyl)-piperaziniumdichloride	Mouse	sc	LD_{50}	500
711	Dimethyl-1-carbomethyoxy-1-propen-2-yl phosphate (continued on next page)	Mouse♂ Mouse♀ Rat♂ Rat♀	or or or or	LD_{50} LD_{50} LD_{50} LD_{50}	7.8 4.32 6.8 6

/1/ Hydrochloride.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	693
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	694
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	695
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	696
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	697
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	698
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	699
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	700
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	701
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	702
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	703
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	704
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	705
227-239 149-168			Eddy, J. Pharm. Exp. Ther. 107:385, 1953. Ibid	706
184-215 93-103			Eddy, J. Pharm. Exp. Ther. 107:385, 1953. Ibid	707
			Williams, J. Am. Pharm. Assoc. 40:449, 1951.	708
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947.	709
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947.	710
6.8-8.9 2.7-6.9 5.4-8.6 5.2-7.0			Kodama, Arch. Ind. Hyg. Occ. Med. 9:45, 1954. Ibid Ibid Ibid	711

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
711	Dimethyl-1-carbomethoxy-1-propen-2-yl phosphate (concluded)	Rat♀	ip	LD$_{50}$	1.51
		Rabbit	ct	LD$_{50}$	33.8
712	N, N'-Dimethyl-2-chloro-2-phenylethylamine	Rat	iv		3.9±0.3
		Cat	iv		2.1±0.2
713	4, 6-Dimethylcoumalin	Mouse	ip	LD$_{50}$	750
714	2, 6-Dimethyl-1, 1-diethylpiperidinium bromide	Mouse	or	LD$_{50}$	365±40
		Mouse	ip	LD$_{50}$	40±6
		Rat	or	LD$_{50}$	2000±310
		Dog	iv	LD$_{50}$	20-25
715	Dimethyldiethylpyrophosphate	Mouse	ip	LD$_{50}$	1.1
716	Dimethyldiisopropylpyrophosphate	Mouse	ip	LD$_{50}$	2.5
717	Dimethyldioxane	Rat	or	LD$_{50}$	3000
		Rabbit	ct	LD$_{50}$	>10,000
718	o-m'-Dimethyldiphenylmethylether of β-Dimethylaminoethanol	Mouse	ip	LD$_{50}$	90±2
719	Dimethylformamide	Rat	or	LD$_{50}$	7000
		Rabbit	ct	LD$_{50}$	5000
720	Dimethylfurane	Rat	or	LD$_{50}$	300
		Guinea pig	ct	LD$_{50}$	1000
721	2, 6-Dimethylheptanol-4	Rat	or	LD$_{50}$	3160
		Rabbit	ct	LD$_{50}$	>10,000
722	2, 2-Dimethyl-4-hydroxymethyl-1, 3-dioxolane	Mouse	ip	LD$_{50}$	>2112
723	(2, 4-Dimethyl-3-hydroxyphenyl)-trimethylammonium bromide	Mouse	iv	LD$_{50}$	16±1
724	(2, 4-Dimethyl-5-hydroxyphenyl)-trimethylammonium bromide	Mouse	iv	LD$_{50}$	14±2
725	(3, 4-Dimethyl-5-methoxyphenyl)-trimethylammonium iodide	Mouse	iv	LD$_{50}$	5±1
726	Dimethylnicotinium diiodide	Mouse	ip	LD	435
		Rabbit	iv	LD	>200
727	Dimethyl-p-nitrophenyl phosphate	Frog	sc	MLD	50
		Mouse	sc	MLD	2.7
		Mouse	sc	MLD	1.4-2.0
		Rat	or	MLD	3.4-6.8
728	O, O-Dimethyl-S-(p-nitrophenyl)-phosphate	Frog	sc	MLD	50-75
	(continued on next page)	Mouse	sc	MLD	7.5-10.0

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
1.34-1.71			Kodama, Arch. Ind. Hyg. Occ. Med. 9:45, 1954.	711
12.6-55.0			Ibid	
			Ferguson, J. Pharm. Exp. Ther. 100:100, 1950.	712
			Ibid	
			Brodersen, Acta pharm. tox. 2:109, 1946.	713
			Cook, J. Pharm. Exp. Ther. 99:435, 1950.	714
			Ibid	
			Ibid	
			Ibid	
			DuBois, Arch. Ind. Hyg. Occ. Med. 6:9, 1952.	715
			DuBois, Arch. Ind. Hyg. Occ. Med. 6:9, 1952.	716
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	717
			Ibid	
			Ensor, J. Pharm. Exp. Ther. 112:318, 1954.	718
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	719
			Ibid	
			Smyth, J. Ind. Hyg. Tox. 26:269, 1944.	720
			Ibid	
			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	721
			Ibid	
			Berger, Arch. int. pharmacod. 85:474, 1951.	722
			Randall, J. Pharm. Exp. Ther. 100:83, 1950.	723
			Randall, J. Pharm. Exp. Ther. 100:83, 1950.	724
			Randall, J. Pharm. Exp. Ther. 100:83, 1950.	725
			Larson, J. Pharm. Exp. Ther. 77:343, 1943.	726
			Ibid	
	H_2O+cello		Hecht, Arch. exp. Path. Pharm. 211:264, 1950.	727
	Oil		Ibid	
	H_2O+cello		Ibid	
	H_2O+cello		Ibid	
	H_2O+cello		Hecht, Arch. exp. Path. Pharm. 211:264, 1950.	728
	H_2O+cello		Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
728	O, O-Dimethyl-S-(p-nitrophenyl)-phosphate (concluded)	Mouse	sc	MLD	20-50
		Rat	or	MLD	45
729	O, S-Dimethyl-O-(p-nitrophenyl)-phosphate	Frog	sc	MLD	70-80
		Mouse	sc	MLD	90-100
		Mouse	sc	MLD	35
		Rat	or	MLD	200
730	Dimethyl-p-nitrophenylthiophosphate	Frog	sc	MLD	250
		Mouse	sc	MLD	50-100
		Mouse	sc	MLD	30
		Rat	or	MLD	15-20
731	O,sym.-Dimethyl-p-nitrophenyl-phosphate	Frog	sc	MLD	70-80
		Mouse	sc	MLD	90-100
		Mouse	sc	MLD	35
		Rat	or	MLD	200
732	Dimethylparathion	Rat	or	LD_{50}*	15.2
		Rabbit	ct	LD_{50}*	300-400
733	Di-2-methylphenoxyethylamine	Mouse	sc	LD_{50}*	850
734	Di-2-methylphenoxyethylaminoethanol	Mouse	sc	LD_{50}*	>1000
735	Di-2-methylphenoxyethyl-β-chloroethylamine	Mouse	sc	LD_{50}	>1000
736	Di-3-methylphenoxyethyl-β-chloroethylamine	Mouse	sc	LD_{50}*	>1000
737	Di-4-methylphenoxyethyl-β-chloroethylamine	Mouse	sc	LD_{50}*	1000
738	3, 4-Dimethylphenoxyethyl-β-chloroethylamine	Mouse	sc	LD_{50}*	>1000
739	Di-2-methylphenoxyethyl-β-ethanolamine	Mouse	sc	LD_{50}	>1000
740	3, 4-Dimethylphenoxyethylbenzyl-β-chloroethylamine	Mouse	sc	LD_{50}*	>1000
741	3, 5-Dimethylphenoxyethyl-β-chloroethylamine	Mouse	sc	LD_{50}*	>1000
742	Di-2-methylphenoxyethylethylamine	Mouse	sc	LD_{50}*	1000
743	3, 4-Dimethylphenoxyethyl-ethyl-β-chloroethylamine	Mouse	sc	LD_{50}	35
744	2, 5-Dimethylphenylisopropylamine	Mouse	ip	LD_{50}	200
745	3, 4-Dimethylphenylisopropylamine	Mouse	ip	LD_{50}	83
746	1, 1-Dimethyl-4-phenylpiperazinium iodide	Mouse	im	LD_{50}	27.5
		Rabbit	iv	LD_{50}*	1

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
	Oil		Hecht, Arch. exp. Path. Pharm. 211:264, 1950.	728
	H_2O+det		Ibid	
	H_2O+cello		Hecht, Arch. exp. Path. Pharm. 211:264, 1950.	729
	Oil		Ibid	
	H_2O+cello		Ibid	
	H_2O+det		Ibid	
	H_2O+cello		Hecht, Arch. exp. Path. Pharm. 211:264, 1950.	730
	Oil		Ibid	
	H_2O+cello		Ibid	
	H_2O+det		Ibid	
	H_2O+cello		Hecht, Arch. exp. Path. Pharm. 211:264, 1950.	731
	Oil		Ibid	
	H_2O+cello		Ibid	
	H_2O+det		Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	732
			Ibid	
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	733
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	734
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	735
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	736
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	737
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	738
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	739
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	740
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	741
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	742
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	743
			Marsh, J. Pharm. Exp. Ther. 100:298, 1950.	744
			Marsh, J. Pharm. Exp. Ther. 100:298, 1950.	745
		20 min	Chen, J. Pharm. Exp. Ther. 103:330, 1951.	746
		2 min	Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
747	Di-2-methylphenylthioethyl-β-chloroethylamine	Mouse	sc	LD_{50}*	>1000
748	Dimethyl phthalate	Mouse	or	LD_{50}	7.2 cc
		Mouse	sc	MLD*	6000
		Mouse	ip	LD_{50}	3640
		Rat	or	LD_{50}	6.9 cc
		Guinea pig	or	LD_{50}	2.4 cc
		Rabbit	or	LD_{50}	4.4 cc
		Chicken	or	LD_{50}	8.5 cc
749	2,5-Dimethylpiperazine	Rat	or	LD_{50}	3510
		Rabbit	ct	LD_{50}	800
750	Dimethyl selenide	Mouse	ip	LD_{50}	1800
		Rat	ip	LD_{50}	2200
751	Dimethyl sulfate	Rat	or	LD_{50}	440
		Rabbit	or	LD	50
		Rabbit	sc	LD	50
		Rabbit	sc	LD	50-60
		Rabbit	iv	LD	55[1]
752	2,4-Dimethylsulfolane	Mouse	ip	LD_{50}	81
753	Dimethyltetrahydrophthalate	Rat	or	LD_{50}	700
754	3,5-Dimethyltetrahydropyrone-1,4	Rat	or	LD_{50}	3400
755	N,N-Dimethylthymyloxyacetamidine HCl	Rat	iv	LD_{50}	46[2]
756	p-Dinitrobenzene	Cat	or	LD	29.4
757	4,6-Dinitro-o-cresol	Mouse	sc	LD_{50}	24.2
		Rat	or	LD_{50}	30
		Rat	or	LD_{50}*	26
		Rat	sc	LD_{50}	24.6
		Guinea pig	ct	LD_{100}	500
		Dog	iv	LD	15
		Dog	im	LD	5
		Dog	ip	LD	10
		Pigeon	im	LD	5
758	4,6-Dinitro-o-cresol sodium	Rat	or	LD_{100}	40
		Rat	sc	LD_{50}*	30
759	2,4-Dinitro-6-cyclohexylphenol	Mouse	or	MLD	50-125
		Mouse	sc	MLD	30-45
		Rat	or	LD_{100}	180
		Guinea pig	or	LD_{100}	125
		Guinea pig	sc	LD_{30}	20
		Guinea pig	ct	LD_{100}	>1000
		Dog	sc	LD	8
		Pigeon	im	LD_{50}	5
		Pigeon	iv	LD	6-7

/1/ Neutral. /2/Injected over period of 31 minutes.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	747
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	748
			Eller, Dissert., Würzburg 1939.	
			Karel, Fed. Proc. 6:342, 1947.	
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	
			Ibid	
			Ibid	
			Ibid	
3180-3880			Smyth, unpublished data, Mellon Inst.	749
			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	
			McConnell, Proc. Soc. Exp. Biol. Med. 79:230, 1952.	750
			Ibid	
430-450			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	751
		17 hr	Weber, Arch. exp. Path. Pharm. 47:113, 1902.	
		2 hr	Ibid	
		3-4 hr	Michels, Arch. int. pharmacod. 21:467, 1911.	
		4 hr	Weber, Arch. exp. Path. Pharm. 47:113, 1902.	
			McOmie, Fed. Proc. 6:357, 1947.	752
			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	753
			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	754
			Craver, Am. J. Dig. Dis. 18:241, 1951.	755
		24 hr	White, Lancet 2:582, 1901.	756
21.5-27.3			Parker, Brit. J. Indust. M. 8:226, 1951.	757
25-37		1-2 hr	Spencer, J. Ind. Hyg. Tox. 30:10, 1948.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
23.1-26.1			Parker, Brit. J. Indust. M. 8:226, 1951.	
	Alcohol		Spencer, J. Ind. Hyg. Tox. 30:10, 1948.	
		58 min	Heymans, Arch. int. pharmacod. 50:20, 1935.	
			Ibid	
			Ibid	
			Tainter, J. Pharm. Exp. Ther. 53:58, 1935.	
		1-8 hr	Ambrose, J. Pharm. Exp. Ther. 76:245, 1942.	758
		2-2½ hr	Ibid	
	Oil		Hrenoff, Univ. Cal. Publ. Pharmacol. 1:151, 1939.	759
	Oil		Ibid	
	Oil	1-2 hr	Spencer, J. Ind. Hyg. Tox. 30:10, 1948.	
	Oil		Hrenoff, Univ. Cal. Publ. Pharmacol. 1:151, 1939.	
			Ibid	
			Spencer, J. Ind. Hyg. Tox. 30:10, 1948.	
		30 min	Heymans, Arch. int. pharmacod. 50:20, 1935.	
			Tainter, J. Pharm. Exp. Ther. 53:58, 1935.	
		8-10 min	Heymans, Arch. int. pharmacod. 50:20, 1935.	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
760	2,4-Dinitro-o-cyclohexylphenol-dicyclohexylamine	Rat	or	LD$_{50}$*	330
761	2,4-Dinitro-α-naphthol	Frog	sc	LD	60
		Guinea pig	sc	LD	80-100
		Dog	iv	LD	30-60
		Pigeon	im	LD$_{50}$	18.5
		Pigeon	ip	LD	15
762	2,4-Dinitrophenol	Frog	sc	LD	10[1]
		Rat	or	LD$_{50}$	30
		Rat	sc	LD$_{50}$	25
		Rabbit	or	LD$_{50}$	200
		Rabbit	sc	LD	30
		Rabbit	ip	LD	100
		Dog	or	LD$_{50}$	20-30
		Dog	sc	LD$_{50}$	22
		Dog	sc	LD	10[1]
		Dog	im	LD$_{50}$	20
		Dog	iv	LD$_{50}$	30
		Pigeon	im	LD	7
		Pigeon	iv	LD	15-20[1]
763	2,4-Dinitrotoluene	Cat	or	MLD	27
		Cat	sc	LD	50-500
764	2,6-Dinitrotoluene	Cat	ip	LD	60
765	Dioctanol-2-phthalate	Mouse	ip	LD$_{50}$*	920
766	Diodrast	Dog	iv	LD	2000
767	Dionin	Frog	sc	LD	150
		Mouse	sc	LD	200
		Guinea pig	sc	LD	150
768	Dioxalane	Rat	or	LD$_{50}$	3000
769	1,4-Dioxane	Mouse	or	LD$_{50}$	5830
		Mouse	ip	LD$_{50}$	790
		Rat	or	LD$_{50}$	5325
		Rat	or	LD$_{50}$*	6000
		Rat	or	LD$_{50}$	7120
		Guinea pig	or	LD$_{50}$	3150
		Guinea pig	or	LD$_{50}$	4017
		Rabbit	or	LD$_{50}$	2170
		Rabbit	ct	LD$_{50}$	7600
770	4,6-Dioxo-2-methyldihydropyran	Mouse	ip	LD$_{50}$	>3000
771	Diparcol (base)	Mouse	or	LD$_{50}$	450
		Mouse	sc	LD$_{50}$	450
		Mouse	sc	LD$_{50}$	450
		Mouse	iv	LD$_{50}$	5
		Mouse	iv	LD$_{50}$	40-50
	(continued on next page)	Rabbit	sc	LD$_{50}$	150-200

/1/ Sodium salt.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	760
		30 min	Mathews, J. Pharm. Exp. Ther. 2:200, 1910.	761
		15-30min	Cazeneuve & Lépine quoted by Mathews.	
		30 min	Ibid	
			Tainter, J. Pharm. Exp. Ther. 53:58, 1935.	
			Heymans, Arch. int. pharmacod. 50:20, 1935.	
		3½ hr	Magne, Ann. physiol., Par. 8:1, 1932.	762
22-40		1-2 hr	Spencer, J. Ind. Hyg. Tox. 30:10, 1948.	
			Tainter, J. Pharm. Exp. Ther. 49:187, 1933.	
		40 min	Magne, Ann. physiol., Par. 8:1, 1932.	
			Tainter, J. Pharm. Exp. Ther. 49:187, 1933.	
		3 hr	Magne, Ann. physiol., Par. 8:1, 1932.	
			Tainter, J. Pharm. Exp. Ther. 49:187, 1933.	
			Ibid	
		36 min	Magne, Ann. physiol., Par. 8:1, 1932.	
			Tainter, J. Pharm. Exp. Ther. 49:187, 1933.	
			Ibid	
			Ibid	
			Heymans, Arch. int. pharmacod. 50:20, 1935.	
			White, Lancet 2:582, 1901.	763
	Oil	2-23 da	Kuhls, Dissert., Würzburg 1905.	
			Von Bredow, Arch. exp. Path. Pharm. 200:335, 1942.	764
		24 hr	Hodge, Proc. Soc. Exp. Biol. Med. 49:471, 1942.	765
		20 min	Heathcote, Brit. J. Radiol. 6:304, 1933.	766
			Flury, Abderhalden's Hdb. 4. 7b:1344.	767
			Ibid	
			Ibid	
			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	768
6015-5655		1-5 da	Laug, J. Ind. Hyg. Tox. 21:173, 1939.	769
			Karel, Fed. Proc. 6:342, 1947.	
5686-4985		1-5 da	Laug, J. Ind. Hyg. Tox. 21:173, 1939.	
		2 wk	Smyth, unpublished data, Mellon Inst.	
6380-8050			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	
2720-3650			Ibid	
3800-4244		1-5 da	Laug, J. Ind. Hyg. Tox. 21:173, 1939.	
1820-2580			Smyth, unpublished data, Mellon Inst.	
5930-9730			Ibid	
			Brodersen, Acta pharm. tox. 2:109, 1946.	770
			Bovet, Thérapie 21:115, 1947.	771
			Ibid	
			Fournel, J. physiol., Par. 42:877, 1950.	
			Bovet, Thérapie 21:115, 1947.	
			Fournel, J. physiol., Par. 42:877, 1950.	
			Bovet, Therapie 21:115, 1947.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
771	Diparcol (base) (concluded)	Rabbit	iv	LD$_{50}$	25
772	Diphenoxyethylbenzyl-β-chloroethylamine	Mouse	sc	LD$_{50}$*	125
773	Diphenoxyethyl-β-chloroethylamine	Mouse	sc	LD$_{50}$*	25
774	α, α-Diphenyl-γ-dimethylamino-valeramide HCl	Mouse	or	LD$_{50}$	395.82±48.6
		Mouse	iv	LD$_{50}$	34.73±2.0
775	α, α-Diphenyl-γ-dimethylamino-valeramidemethyliodide	Mouse	or	LD$_{50}$	>600
		Mouse	iv	LD$_{50}$	19.41±1.4
776	Diphenylguanidine	Rat	sc	MLD	50
		Guinea pig	sc	MLD	200
		Dog	iv	MLD	25
777	Diphenylmethyl ether of β-Methylaminoethanol	Mouse	ip	LD$_{50}$	73±1
778	Diphenylthiourea	Rabbit	or	MLD	1500
779	Dipropamine	Mouse	sc	LD$_{50}$	2.2±0.3
780	Dipropylene glycol	Mouse	ip	LD$_{50}$	4600
		Rat	or	LD$_{50}$	14,850
		Rat	ip	LD$_{50}$	10,590
		Rat	iv	LD$_{50}$	5800
		Dog	iv	LD	11,787
781	Dipropylene glycol methyl ether	Rat	or	LD$_{50}$	5.4 cc
782	2, 2-Di-n-propyl-4-hydroxymethyl-1, 3-dioxolone	Mouse	ip	LD$_{50}$	729.44±69.5
783	N, N-Dipropylsuccinamic acid ethylester	Mouse	or	LD$_{50}$	3.6 cc
		Rat	or	LD$_{50}$	6.2 cc
784	Disodium phosphate	Rat	ip	LD	2000
785	Disulfur decafluoride, S_2F_{10}	Rabbit	iv	LD$_{50}$	5.79±0.61[1]
786	Dithane	Rat	or	LD$_{50}$*	5000
787	Dithane D14	Rat	or	LD$_{50}$	395±12
788	Dithane Z78	Rat	or	LD$_{50}$	>5200
789	Di-o-toluylthiourea	Rabbit	or	MLD	3000
790	Divaricoside	Cat	iv	LD$_{50}$	0.1653
791	Dolan	Mouse	or	LD$_{50}$	1100
		Mouse	ip	LD$_{50}$	950
792	Dormison	Mouse	or	LD$_{50}$	698
		Rat	or	LD$_{50}$	300-900
		Guinea pig	or	LD$_{50}$	534

/1/ Emulsion.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Bovet, Thérapie 21:115, 1947.	771
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	772
		10 da	Nickerson, J. Pharm. Exp. Ther. 101: 379, 1951.	773
			Cazort, J. Pharm. Exp. Ther. 100:325, 1950.	774
			Ibid	
			Cazort, J. Pharm. Exp. Ther. 100:325, 1950.	775
			Ibid	
		15 min	Alles, J. Pharm. Exp. Ther. 28:251, 1926.	776
	Prop gly		Valade, C. rend. Soc. biol. 143:815, 1949.	
	Prop gly		Ibid	
			Ensor, J. Pharm. Exp. Ther. 112:318, 1954.	777
			Hanzlik, J. Pharm. Exp. Ther. 17:349, 1921.	778
			Winter, J. Pharm. Exp. Ther. 100:489, 1950.	779
			Karel, Fed. Proc. 6:342, 1947.	780
10,650-20,720			Shaffer, Arch. Ind. Hyg. Occ. Med. 3:448, 1951.	
15,940-17,930			Ibid	
			Ibid	
	N saline		Hanzlik, J. Pharm. Exp. Ther. 67:101, 1939.	
4.9-5.9 cc			Rowe, Arch. Ind. Hyg. Occ. Med. 9:509, 1954.	781
			Berger, Arch. int. pharmacod. 85:474, 1951.	782
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	783
			Ibid	
			Abelles, Biochem. Zschr. 163:226, 1925.	784
			Saunders, Arch. Ind. Hyg. Occ. Med. 8:436, 1953.	785
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:120, 1951.	786
			Smith, Fed. Proc. 11:391, 1952.	787
			Smith, J. Pharm. Exp. Ther. 109:159, 1953.	788
	N saline		Hanzlik, J. Pharm. Exp. Ther. 17:349, 1921.	789
0.1210-0.2349	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	790
			Spencer, Fed. Proc. 12:368, 1953.	791
			Ibid	
			Schering advertisement.	792
			Schaffarzick, Science 116:663, 1952.	
			Schering advertisement.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
793	Dowicide	Rat	or	LD$_{50}$	2.7
794	Dromoran HBr	Mouse	sc	LD$_{50}$	153±12
		Mouse	ip	LD$_{50}$	120±18
		Mouse	iv	LD$_{50}$	41±5
		Rat	sc	LD$_{50}$	125±11
		Rabbit	iv	LD$_{50}$	19±1.7
795	Dulcin	Dog	or	LD	1000
796	Dypnone	Rat	or	LD$_{50}$	3600
		Rabbit	ct	LD$_{50}$	6300
797	E 838	Mouse	or	LD$_{50}$	98.5±5.0
		Rat♂	or	LD$_{50}$	42.0±3.1
		Rat♀	or	LD$_{50}$	19.0±2.5
		Guinea pig	or	LD$_{50}$	25.0±2.3
		Rabbit	ct	LD$_{50}$*	300
798	Echubioside	Cat	iv	LD$_{50}$	0.2902
799	Echujin	Cat	iv	LD$_{50}$	0.3035
800	EFED	Rat ?	ip	LD$_{50}$	250
801	EL-60	Rat ?	ip	LD$_{50}$	6000
802	Emcol 888	Mouse	or	LD$_{50}$	470
		Mouse	iv	LD$_{50}$	8
803	Emetine	Frog	or	MLD	20^1
		Frog	sc	MLD	20^1
		Frog	iv	MLD	10^1
		Mouse	sc	MLD	20^1
		Mouse	ip	LD$_{50}$	62±2.3
		Rat	or	MLD	$<100^2$
		Rat	sc	LD	12
		Rat	sc	MLD	20^1
		Rat	im	MLD	<15
		Rat	ip	LD$_{50}$	17.2±1.4
		Rat	iv	MLD	<15
		Guinea pig	or	MLD	20^1
		Guinea pig	sc	MLD	20^1
		Guinea pig	sc	LD	16
		Guinea pig	im	MLD	20^1
		Guinea pig	iv	MLD	3^1
		Guinea pig	iv	LD	7
		Rabbit	or	MLD	$15-20^2$
		Rabbit	or	MLD	20^1
		Rabbit	sc	MLD	$15-20^1$
		Rabbit	sc	MLD	30
		Rabbit	im	MLD	15^1
		Rabbit	iv	MLD	5
		Rabbit	iv	MLD	2.5^1
	(continued on next page)	Cat	or	LD	$15-20^2$

/1/ 2.5% solution in H_2O. /2/ Hydrochloride.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
2.4-3.1			Hodge, J. Pharm. Exp. Ther. 104:202, 1952.	793
			Randall, J. Pharm. Exp. Ther. 99:163, 1950.	794
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1345.	795
			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	796
			Ibid	
			Frawley, J. Pharm. Exp. Ther. 105:156, 1952.	797
			Ibid	
			Ibid	
			Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 16:3, 1952.	
0.2159-0.4152	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	798
0.2275-0.3634	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	799
			Mallette, Arch. Ind. Hyg. Occ. Med. 5:311, 1952.	800
			Mallette, Arch. Ind. Hyg. Occ. Med. 5:311, 1952.	801
			Lehman, Q. Bull. Assoc. F. & D. Off. 18:43, 1954.	802
			Ibid	
	H_2O	24 hr	Guglielmetti, Presse Méd. 26:43, 1918.	803
	H_2O	24 hr	Ibid	
	H_2O	1-3 min	Ibid	
	H_2O	24 hr	Ibid	
			Gimble, J. Pharm. Exp. Ther. 94:431,1948.	
			Nelson, J. Pharm. Exp. Ther. 63:122, 1938.	
			Walters, J. Pharm. Exp. Ther. 10:73, 1917.	
	H_2O	24 hr	Guglielmetti, Presse Méd. 26:43, 1918.	
			Nelson, J. Pharm. Exp. Ther. 63:122, 1938.	
			Gimble, J. Pharm. Exp. Ther. 94:431, 1948.	
	N saline		Nelson, J. Pharm. Exp. Ther. 63:122, 1938.	
	H_2O	24 hr	Guglielmetti, Presse Méd. 26:43, 1918.	
	H_2O	24 hr	Ibid	
			Walters, J. Pharm. Exp. Ther. 10:73, 1917.	
	H_2O	24 hr	Guglielmetti, Presse Méd. 26:43, 1918.	
	H_2O		Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1346.	
		15 da	Anderson, Am. J. Trop. Med. 10:249, 1930.	
	H_2O	24 hr	Guglielmetti, Presse Méd. 26:43, 1918.	
	H_2O	24 hr	Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1346.	
	H_2O	24 hr	Guglielmetti, Presse Méd. 26:43, 1918.	
		2-4 da	Walters, J. Pharm. Exp. Ther. 94:431, 1948.	
	H_2O		Guglielmetti, Presse Méd. 26:43, 1918.	
		15 da	Anderson, Am. J. Trop. Med. 10:249, 1930.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
803	Emetine (concluded)	Cat	sc	MLD	20[1]
		Dog	or	MLD	7.5-10[1]
		Dog	sc	MLD	5.0-7.5[1]
		Dog	im	MLD	5.0-7.5[1]
		Dog	iv	MLD	2.5-3.5[1]
		Pigeon	sc	MLD	20[1]
		Pigeon	im	MLD	20[1]
804	Emulsept	Mouse	or	LD_{50}	2500
		Mouse	iv	LD_{50}	20
805	Endothal	Rat	or	LD_{50}*	35.5
		Rabbit	ct	LD_{50}*	100[2]
806	Eosin (YS, yellowish)	Frog	sc	LD	1000
		Mouse	sc	LD	450
		Rat	ip	LD_{50}*	500
		Guinea pig	or	LD	5000
		Guinea pig	sc	LD	300
		Guinea pig	ip	LD	250
		Rabbit	iv	LD_{50}*	300
807	Ephedrine	Frog	sc	MLD	530-690
		Frog	sc	MLD	600
		Mouse	or	LD	400
		Mouse	sc	LD	1000
		Mouse	sc	LD	500[3]
		Mouse	ip	MLD*	400[3]
		Mouse	iv	LD	200
		Rat	or	MLD	160
		Rat	ip	LD	800
		Rat	iv	MLD	135-140
		Rat	sc	MLD	1500
		Guinea pig	sc	LD	400
		Guinea pig	sc	MLD	400-425
		Rabbit	or	MLD	590
		Rabbit	sc	MLD	320-400[3]
		Rabbit	sc	MLD	300-460[4]
		Rabbit	ip	MLD	310-400[3]
		Rabbit	im	MLD	340[3]
		Rabbit	iv	MLD	66-70[3]
		Rabbit	iv	MLD	50-70[3]
		Cat	iv	MLD	60
		Cat	iv	MLD	75[3]
		Dog	sc	MLD	220[4]
		Dog	iv	MLD	70-75[3]
808	Epinephrine	Frog	sc	LD	800-850[5]
		Frog	sc	LD	440-460[6]
	(continued on next page)	Mouse	or	LD	50

/1/ 2.5% solution in H_2O. /2/ 2% solution in H_2O. /3/ Ephedrine sulfate. /4/ Ephedrine Nitti, "Médicaments du Système Nerveux Végétatif," New York: S. Karger, 1948.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
	H_2O	24 hr	Guglielmetti, Presse Méd. 26:43, 1918.	803
	H_2O	24 hr	Ibid	
	H_2O	24 hr	Ibid	
	H_2O	24 hr	Ibid	
	H_2O	24 hr	Ibid	
	H_2O	24 hr	Ibid	
	H_2O	24 hr	Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 18:43, 1954.	804
			Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	805
	H_2O		Lehman, Q. Bull. Assoc. F. & D. Off. 16:3, 1952.	
			Flury, Abderhalden's Hdb. 4. 7b:1347.	806
			Ibid	
			Emerson, Leprosy 2:257, 1934.	
		7-19 hr	Flury, Abderhalden's Hdb. 4. 7b:1347.	
			Ibid	
		24 hr	Ibid	
			Emerson, Int. J. Leprosy 2:257, 1934.	
			Chen, J. Pharm. Exp. Ther. 27:61, 1926.	807
			Kreitmair, Arch. exp. Path. Pharm. 120:189, 1927.	
		15-20 hr	Ibid	
		3 hr	Ibid	
			Chen, J. Am. Med. Assoc. 87:836, 1926.	
			Rowe, J. Am. Pharm. Assoc. 16:912, 1927.	
		2 min	Kreitmair, Arch. exp. Path. Pharm. 120:189, 1927.	
			Hauschild, Arch. exp. Path. Pharm. 191:465, 1926.	
			Ibid	
			Chen, J. Pharm. Exp. Ther. 27:61, 1926.	
		24 hr	Kreitmair, Arch. exp. Path. Pharm. 187:607, 1937.	
		15-20 hr	Kreitmair, Arch. exp. Path. Pharm. 120:189, 1927.	
			Chen, J. Pharm. Exp. Ther. 27:61, 1926.	
			Ibid	
			Chen, J. Am. Med. Assoc. 87:836, 1926.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Kreitmair, Arch. exp. Path. Pharm. 120:189, 1927.	
			Ibid	
			Chen, J. Am. Med. Assoc. 87:836, 1926.	
			Ibid	
			Ibid	
			Führer, Arch. exp. Path. Pharm. 166:455, 1932.	808
			Ibid	
			Bovet&Bovet-Nitti.[7]	

hydrochloride. /5/ Epinephrine bitartrate. /6/ Epinephrine base. /7/ Bovet and Bovet-

	Compound	Animal	Route	Dose	Dosage mg/kg Value
808	Epinephrine (concluded)	Mouse	sc	LD	1-1.5
		Mouse	sc	LD	7.1-8.2[2]
		Mouse	ip	LD_{50}	4[3]
		Rat	or	LD	30
		Rat	sc	LD	5-10
		Rat	ip	LD	10
		Rat	iv	LD	0.005-0.05
		Guinea pig	sc	LD	0.8-2.0
		Guinea pig	iv	LD	0.1-0.2
		Guinea pig	iv	LD	0.1-0.2
		Rabbit	or	LD	30
		Rabbit	sc	LD	10-20
		Rabbit	iv	LD	0.2-0.3
		Rabbit	iv	LD	0.1-0.2
		Cat	sc	LD	20
		Cat	iv	LD	0.5-8.0
		Cat	iv	LD	0.5-0.8
		Dog	sc	LD	5-6
		Dog	iv	LD	0.2-2.0
		Dog	iv	LD	0.1-0.2
809	D-Epinephrine	Mouse	sc	LD_{50}	22.58±0.77
		Rat	sc	LD_{50}	80-120
		Rabbit	sc	LD	6.5-7.0
810	DL-Epinephrine	Mouse	sc	LD	16
		Mouse	sc	LD	12-16
		Rabbit	iv	LD	0.25-0.3
		Rabbit	iv	LD	0.5-0.6
811	L-Epinephrine	Mouse	sc	LD	6
		Mouse	sc	LD_{50}	1.47±0.14
		Rat	sc	LD	5
		Rat	sc	LD	10-20
		Guinea pig	sc	LD	1
		Rabbit	sc	LD	10-20
		Rabbit	iv	LD	0.05-0.4
		Cat	iv	LD	0.5-0.8
		Dog	sc	LD	5-6
		Dog	iv	LD	1-2
812	EPN	Mouse	or	LD_{50}	45.5±3.1
		Rat♀	or	LD_{50}	14.5±1.6
		Rat♂	or	LD_{50}	91.0±8.6
		Guinea pig	or	LD_{50}	79.0±7.6
813	1,2-Epoxy-3-chloropropane	Rat	or	LD_{50}	90
814	Epoxymethylphenylacrylic acid ethyl ester	Mouse	or	LD_{50}	5.6 cc
		Rat	or	LD_{50}	6.1 cc
815	Erbium nitrate, $Er(NO_3)_3 . 6H_2O$	Rat	iv	LD_{100}	82.8-96.6[4]
816	Ergobasine	Mouse	iv	MLD	0.145
		Mouse	iv	MLD	250
	(continued on next page)	Mouse	iv	LD_{50}	144±3.5

/1/ Bovet and Bovet-Nitti, Médicaments du Système Nerveux Végétatif," New York: S.
erbium metal.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Bovet & Bovet-Nitti.[1]	808
		3-5 da	Führer, Arch. exp. Path.Pharm. 166:455, 1932.	
			Lands, J. Pharm. Exp. Ther. 90:110, 1947.	
			Bovet & Bovet-Nitti.[1]	
			Ibid	
			Raab, J. Pharm. Exp. Ther. 88:268, 1946.	
			Bovet & Bovet-Nitti.[1]	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1293.	
			Bovet & Bovet-Nitti.[1]	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1293.	
			Bovet & Bovet-Nitti.[1]	
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1293.	
			Bovet & Bovet-Nitti.[1]	
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1293.	
			Marquardt, Arch. exp. Path. Pharm. 202:658, 1943.	809
		24 hr	Cushny, J. Physiol. 38:259, 1909.	
			Marquardt, Arch. exp. Path. Pharm. 202:658, 1943.	
			Schultz, J. Pharm. Exp. Ther. 1:291, 1909.	810
			Abderhalden, Zschr. physiol. Chem. 63:290, 1909.	
			Ibid	
			Ibid	
4-8			Marquardt, Arch. exp. Path. Pharm. 202:658, 1943.	811
			Ibid	
		24 hr	Flury, Abderhalden's Hdb. 4. 7b:1294.	
			Cushny, J. Physiol. 38:259, 1909.	
			Flury, Abderhalden's Hdb. 4. 7b:1294.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Frawley, J. Pharm. Exp. Ther. 105:156, 1952.	812
			Ibid	
			Ibid	
			Ibid	
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	813
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	814
			Ibid	
			Maxwell, J. Pharm. Exp. Ther. 43:61, 1931.	815
			Röthlin, C. rend. Soc. biol. 119:1302, 1935.	816
			Davis, J. Pharm. Exp. Ther. 54:398, 1955.	
			DeJongh, J. Pharm. Exp. Ther. 105:132, 1952.	

Karger, 1948. /2/ Epinephrine base. /3/ Epinephrine hydrochloride. /4/ 30-35 mg/kg as

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
816	Ergobasine (concluded)	Rat	sc	MLD	0.5
		Guinea pig	iv	MLD	80
		Rabbit	iv	MLD	7.5
		Rabbit	iv	LD	1.8-2.9
		Rabbit	iv	LD	6
		Rooster	im	MLD	>10
817	Ergocornine	Rabbit	iv	LD	1.17
818	Ergocristine	Rabbit	iv	LD	1.5
819	Ergocryptine	Rabbit	iv	LD	1.05
820	Ergotamine	Mouse	iv	MLD	45
		Mouse	iv	LD_{50}	52
		Rat	sc	MLD	100-150
		Rat	iv	LD_{50}	62
		Guinea pig	iv	LD	>36
		Rabbit	iv	LD	2-3
		Rabbit	iv	LD	3.55
		Cat	sc	LD_{50}	11
		Rooster	im	LD	2-3
821	Ergotamine tartrate	Mouse	iv	LD_{50}	62
		Rat	iv	LD_{50}	80
		Rabbit	iv	LD_{50}	3.55
		Cat	sc	LD	11
822	Ergotoxine	Mouse	sc	LD	107[1]
		Mouse	iv	LD	33
		Rabbit	iv	LD	1.5[1]
		Rabbit	iv	LD	1.8[2]
823	Erysodine HCl	Mouse	sc	LD	100
824	Erysopine HCl	Mouse	sc	LD	14.8
825	Erysothiopine disodium	Mouse	sc	LD	76
826	Erythramine HBr	Mouse	sc	LD	104
827	Erythrite	Dog	iv	LD	5000
828	β-Erythroidine	Mouse	sc	LD	48
		Mouse	ip	LD_{50}	24.0±0.93
		Rat	iv	LD_{50}	39.3
		Rabbit	iv	LD_{50}	8.6
		Dog	iv	LD_{50}	8.8
829	Erythrophleine	Frog	sc	LD	20
830	Erythrosine	Rat	ip	LD_{50}*	300
		Rabbit	iv	LD_{50}*	200
831	Ethanol	Frog	sc	LD	7100-7900
		Mouse	or	LD_{50}	9488[3]
		Mouse	sc	LD_{50}	8285[3]
	(continued on next page)	Mouse	iv	LD_{50}	1973[3]

/1/Ergotoxine base. /2/ Ergotoxine phosphate. /3/95% ethanol.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Röthlin, C. rend. Soc. biol. 119:1302, 1935. Davis, J. Pharm. Exp. Ther. 54:398, 1955. Röthlin, C. rend. Soc. biol. 119:1302, 1935. Barger, Heffter's Hdb. E. 6:84. Röthlin, Arch. exp. Path. Pharm. 181:154, 1936. Röthlin, C. rend. Soc. biol. 119:1302, 1935.	816
			Röthlin, Helvet. physiol. acta 3:519, 1945.	817
			Röthlin, Helvet. physiol. acta 3:519, 1945.	818
			Röthlin, Helvet. physiol. acta 3:519, 1945.	819
			Röthlin, C. rend. Soc. biol. 119:1302. 1935. Röthlin, Arch. int. pharmacod. 27:459, 1923. Röthlin, C. rend. Soc. biol. 119:1302, 1935. Röthlin, Helvet. physiol. acta 2:48, 1944. Barger, Heffter's Hdb. E. 6:104. Ibid Röthlin, Helvet. physiol. acta 3:519, 1945. Röthlin, Helvet. physiol. acta 2:48, 1944. Röthlin, C. rend. Soc. biol. 119:1302, 1935.	820
			Röthlin, Bull. acad. Suisse sci. méd. 2:No. 4, 1946-47. Ibid Ibid Ibid	821
			Kreitmair, Arch. exp. Path. Pharm. 176:171, 1934. Ibid Röthlin, Arch. exp. Path. Pharm. 181:154. 1936. Ibid	822
			Unna, J. Pharm. Exp. Ther. 80:39, 53, 1944.	823
			Unna, J. Pharm. Exp. Ther. 80:39, 53, 1944.	824
			Unna, J. Pharm. Exp. Ther. 80:39, 53, 1944.	825
			Unna, J. Pharm. Exp. Ther. 80:39, 53, 1944.	826
		24 hr	Flury, Abderhalden's Hdb. 4. 7b:1422.	827
		 24 hr	Unna, J. Pharm. Exp. Ther. 80:39, 53, 1944. Berger, J. Pharm. Exp. Ther. 93:362, 1948. Chase, J. Pharm. Exp. Ther. 82:266, 1944. Ibid Ibid	828
			Lendle, Heffter's Hdb. E. 1:78.	829
			Emerson, Int. J. Leprosy 2:257, 1934. Ibid	830
			Flury, Abderhalden's Hdb. 4. 7b:1296. Latven, J. Pharm. Exp. Ther. 65:89, 1933. Ibid Ibid	831

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
831	Ethanol (concluded)	Rat	or	LD_{50}	13,660
		Rat	ip	LD_{50}	5000
		Guinea pig	ip	LD_{50}	5560
		Rabbit	or	LD	7890
		Rabbit	or	LD_{50}	6300
		Rabbit	or	LD_{50}	9500
		Rabbit	iv	MLD	9400[1]
		Cat	iv	LD	3945[2]
		Dog	or	LD	5500-6500
		Dog	sc	LD	6000-8000
		Dog	iv	LD	5365
832	Ethanolamine HCl	Rat	iv	MLD	860-900
833	Ethanol-2, 2'-thiodi-diacetate	Mouse	or	LD_{50}	7.2 cc
		Rat	or	LD_{50}	8.2 cc
834	Ether	Frog	sc	LD^*	1680
835	Ethoxyacetyl-K-strophanthin	Cat	iv	MLD	0.65
836	4-Ethoxy-2-aminobenzothiazole	Mouse	iv	LD_{50}*	80
837	Ethoxybenzazepine	Mouse	ip	LD_{50}	135±3
		Mouse	iv	LD_{50}	32±3.5
838	p-Ethoxy-β-dimethylaminoethoxy-benzene ethiodide	Mouse	sc	LD_{50}	92±4.8
839	2-Ethoxyethanol acetate	Rabbit	ct	LD_{50}	10,570
840	2(2-Ethoxyethoxy)ethanol	Rat	or	LD_{50}	8690
		Rat	sc	LD_{50}	7920
		Rat	iv	LD_{50}	4080
		Guinea pig	or	LD_{50}	3670
		Rabbit	or	LD_{50}	3620
		Rabbit	ct	LD_{50}	8190
841	2(2-Ethoxyethoxy)ethanol acetate	Rat	or	LD_{50}	11,000
		Guinea pig	or	LD_{50}	3930
		Rabbit	or	LD_{50}	4400
		Rabbit	ct	LD_{50}	15,190
842	Ethoxyethyltrimethylammonium iodide	Mouse	sc	LD_{50}	32.3±6.4
843	1-Ethoxy-2-hydroxy-4-propenylbenzene	Rat	or	LD_{50}*	2400
844	3-Ethoxy-1, 2-propandiol	Mouse	or	LD_{50}	9.35±0.13 cc
845	3-Ethoxypropionaldehyde	Rat	or	LD_{50}	90
		Rabbit	ct	LD_{50}	1000
846	3-Ethoxypropionic acid	Rat	or	LD_{50}	4800
		Rabbit	ct	LD_{50}	750
847	3-Ethoxy-5,6,7,8-tetrahydrocarbazole	Rat	or	LD_{50}	>5000
848	Ethyl acetate	Rat	or	LD_{50}	5620
		Guinea pig	sc	LD	3000-5000
		Cat	sc	LD^*	3000

/1/ Diluted with normal saline and injected at a rate of 0.5 cc per minute. /2/ Pure ethanol.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
11,170-16,710			Smyth, J. Ind. Hyg. Tox. 23:253, 1941.	831
			Barlow, J. Pharm. Exp. Ther. 56:117, 1936.	
4820-6140			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	
			Langgaard, Zschr. exp. Path. 13:20, 1913.	
5060-7850			Smyth, unpublished data, Mellon Inst.	
		15-48 hr	Barlow, J. Pharm. Exp. Ther. 56:117, 1936.	
	N saline		Lehman, J. Pharm. Exp. Ther. 61:103, 1937.	
			Macht, J. Pharm. Exp. Ther. 16:1, 1920.	
		12-14 hr	DuJardin-Beaumetz, C. rend. Acad. sc. 81:192, 1875.	
		36-48 hr	Ibid	
			Hanzlik, J. Pharm. Exp. Ther. 67:101, 1939.	
			Ling, J. Pharm. Exp. Ther. 45:1, 1932.	832
			Draize, J. Pharm. Exp. Ther. 83:26, 1948.	833
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1294.	834
			Neumann, Arch. exp. Path. Pharm. 185:328, 1937.	835
			Domino, J. Pharm. Exp. Ther. 105:486, 1952	836
			Randall, J. Pharm. Exp. Ther. 103:10, 1951.	837
			Ibid	
			Winter, J. Pharm. Exp. Ther. 100:489, 1950.	838
9,180-12,190			Smyth, unpublished data, Mellon Inst.	839
7,250-10,410			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	840
7210-8300			Ibid	
3740-4440			Smyth, unpublished data, Mellon Inst.	
3140-4260			Ibid	
3210-4090			Ibid	
7210-9310			Ibid	
10,400-11,590			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	841
3490-4310			Ibid	
4040-4790			Smyth, unpublished data, Mellon Inst.	
12,710-18,580			Ibid	
			Edwards, J. Pharm. Exp. Ther. 103:196, 1951.	842
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:82, 1951.	843
		10 da	Hine, Arch. Ind. Hyg. Occ. Med. 2:579, 1950.	844
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	845
			Ibid	
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	846
			Ibid	
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	847
4950-6390			Smyth, unpublished data, Mellon Inst.	848
			Flury, Arch. Gewerbepath. 5:1, 1934.	
			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
849	Ethyl acetoacetate	Rat Rabbit	or ct	LD_{50} LD_{50}	3980 >10,000
850	Ethyl acrylate	Rat Rabbit	or ct	LD_{50} LD_{50}	1020 1950
851	Ethylamine	Rat Rabbit	or ct	LD_{50} LD_{50}	400 0.39 cc
852	4-Ethyl-2-aminobenzothiazole	Mouse	iv	LD_{50}	77±2
853	Ethylaminoethanol	Rat Rabbit	or ct	LD_{50} LD_{50}	1480 0.36 cc
854	2-Ethyl-2-i-amyl-4-hydroxymethyl-1, 3-dioxolane	Mouse	ip	LD_{50}	549.44±70.7
855	2-Ethyl-2-n-amyl-4-hydroxymethyl-1, 3-dioxolane	Mouse	ip	LD_{50}	549.4±50.5
856	Ethylaniline	Rat	or	LD_{50}	1070
857	Ethylbenzazepine	Mouse Mouse	ip iv	LD_{50} LD_{50}	121±7 24±2.9
858	Ethylbenzene	Guinea pig	ip	LD	571.5
859	2-Ethylbenzimidazole	Mouse	iv	LD_{50}*	100
860	Ethyl benzoate	Rat	or	LD_{50}	6480
861	2-Ethylbenzotriazole	Mouse	iv	LD_{50}*	125
862	2-Ethyl-butanol-1	Rat Rabbit	or ct	LD_{50} LD_{50}	1850 1.26 cc
863	Ethylbutylether	Rat	or	LD_{50}	1370
864	2-Ethyl-2-butyl-4-hydroxymethyl-1, 3-dioxolane	Mouse	ip	LD_{50}	580.9±73.32
865	Ethylbutylketone	Rat Rabbit	or ct	LD_{50} LD_{50}	2760 >20,000
866	Ethylbutyraldehyde	Rat	or	LD_{50}	3980
867	Ethyl carbitol	Mouse	ip	LD_{50}	4749
868	Ethyl cellosolve	Mouse	ip	LD_{50}	1710
869	Ethyl Cetab	Mouse Mouse	or iv	LD_{50} LD_{50}	600 50
870	Ethyl chaulmoograte	Rat	sc	LD	31,500-36,000[1]
871	Ethyl-bis-(β-chloroethyl)amine (continued on next page)	Mouse Mouse Rat	ct sc ct	LD_{50} LD_{50} LD_{50}	13 1.2 17

/1/ 35 cc-40 cc per kilo.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Smyth, J. Ind. Hyg. Tox. 31:60, 1949. Ibid	849
950-1100 1790-2110			Pozzani, J. Ind. Hyg. Tox. 31:311, 1949. Ibid	850
290-560 0.28-0.55 cc			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954. Ibid	851
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	852
1350-1620			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954. Ibid	853
			Berger, Arch. int. pharmacod. 85:474, 1951.	854
			Berger, Arch. int. pharmacod. 85:474, 1951.	855
770-1500			Smyth, unpublished data, Mellon Inst.	856
			Randall, J. Pharm. Exp. Ther. 103:10, 1951. Ibid	857
			Chassevant, C. rend. Soc. biol. 55:1255, 1896.	858
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	859
5660-7420			Smyth, unpublished data, Mellon Inst.	860
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	861
1520-2240 0.85-1.87 cc			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954. Ibid	862
1340-2600			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	863
			Berger, Arch. int. pharmacod. 85:474, 1951.	864
2560-2980			Smyth, J. Ind. Hyg. Tox. 31:60, 1949. Ibid	865
3340-4740			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	866
			Karel, Fed. Proc. 6:342, 1947.	867
			Karel, Fed. Proc. 6:342, 1947.	868
			Lehman, Q.Bull.Assoc.F. & D. Off. 18:43, 1954. Ibid	869
			Emerson, Proc. Soc. Exp. Biol. Med. 32:289, 1936.	870
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947. Ibid Ibid	871

Compound		Animal	Route	Dose	Dosage mg/kg Value
871	Ethyl-bis-(β-chloroethyl)amine (concluded)	Rat	sc	LD_{50}	1
		Rat	iv	LD_{50}	0.5
		Rabbit	ct	LD_{50}*	15
		Rabbit	iv	LD_{50}*	2
872	Ethyl-β-chloroethylamine	Mouse	iv	LD_{50}*	100
873	Ethyl-β-chloroethyl-β-(o-benzyl)-phenoxyethylamine	Mouse	iv	LD_{50}	33.81±1.28
874	Ethyl-β-chloroethylethylenimonium-picryl sulfonate	Mouse	sc	LD_{50}	2
		Rat	iv	LD_{50}*	0.5
		Rabbit	iv	LD_{50}*	3
875	Ethyl-β-chloroethyl-β-hydroxy-ethylpicryl sulfonate	Mouse	sc	LD_{50}	8
		Mouse	iv	LD_{50}	8
		Rabbit	iv	LD_{50}	5-10
876	2-Ethylcrotonylurea	Rat	or	LD_{50}	2500
		Rat	ip	LD_{50}	900
		Guinea pig	ip	LD_{50}	1100
		Rabbit	ip	LD_{50}	14,000
		Dog	or	LD_{50}	3500
		Dog	ip	LD_{50}	900
877	Ethylcyanocyclohexyl acetate	Mouse	or	LD_{50}	5 cc
		Rat	or	LD_{50}	6.4 cc
878	Ethyl-di(dimethylamido)phosphate	Mouse	ip	LD_{50}	>1500
879	Ethyldioxaspirane	Mouse	ip	LD_{50}	1204±146.2
880	2-Ethyldiphenylphosphate	Rabbit	or	MLD	>24,000
		Rabbit	iv	MLD	218-272
881	Ethylene chlorohydrin	Rat	or	LD_{50}	95
		Guinea pig	or	LD_{50}	110
		Guinea pig	ct	LD_{50}	85.6
		Guinea pig	ct	LD_{50}	364
882	Ethylenediamine	Mouse	sc	LD*	750
		Rat	or	LD_{50}	1160
		Rabbit	ct	LD_{50}	730
		Rabbit	sc	LD	1000-2000
		Rabbit	iv	LD*	400
883	Ethylene dichloride	Rabbit	sc	LD	3900
		Dog	or	LD	5750
		Dog	iv	LD	225
884	Ethylene glycol	Mouse	or	LD_{50}	8348
		Mouse	sc	LD_{50}	5008
		Mouse	ip	LD_{50}	5620
		Mouse	iv	LD_{50}	3339
		Rat	or	LD_{50}	6122
		Rat	or	LD_{50}	8540
	(continued on next page)	Rat	im	MLD	4441

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947.	871
			Ibid	
			Ibid	
			Ibid	
			Anslow, J. Pharm. Exp. Ther. 91:221, 1947.	872
			Henderson, Arch. int. pharmacod. 83:115, 1950.	873
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947.	874
			Ibid	
			Ibid	
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947.	875
			Ibid	
			Ibid	
			Randall, Fed. Proc. 12:357, 1953.	876
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	877
			Ibid	
			DuBois, Arch. Ind. Hyg. Occ. Med. 6: 9, 1952.	878
			Berger, Arch. int. pharmacod. 85:474, 1951.	879
			Treon, Arch. Ind. Hyg. Occ. Med. 8:170, 1953.	880
			Ibid	
67-117			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	881
77-164		24 hr	Ibid	
71.5-101.8		24 hr	Smyth, J. Ind. Hyg. Tox. 27:93, 1945.	
		2 hr	Ibid	
			Barbour, J. Lab. Clin. Med. 5:477, 1920.	882
980-1370			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	
640-820			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1295.	
			Barbour, J. Lab. Clin. Med. 5:477, 1920.	
	Oil	24 hr	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	883
	Oil	24 hr	Ibid	
	Oil	30 min	Ibid	
			Latven, J. Pharm. Exp. Ther. 65:89, 1935.	884
			Ibid	
			Karel, Fed. Proc. 6:342, 1947.	
			Latven, J. Pharm. Exp. Ther. 65:89, 1935.	
		1-5 da	Calvery, J. Ind. Hyg. Tox. 21:173, 1939.	
7310-9990			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	
			Hanzlik, J. Pharm. Exp. Ther. 41:387, 1931.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
884	Ethylene glycol (concluded)	Rat	ip	LD	3896[1]
		Rat	iv	LD_{50}	2783
		Rat	iv	LD_{50}	2800
		Rabbit	or	LD	9000
		Rabbit	im	LD	6600
		Rabbit	im	LD	6567
		Rabbit	ip	LD	1008
		Rabbit	iv	LD	4400-5500
		Cat	sc	LD	2000
885	Ethylene glycol dinitrate	Rabbit	sc	LD_{100}	300
		Cat	sc	LD_{100}	100
886	Ethylene glycol methyl ether acetate	Rat	or	LD_{50}	3930
		Guinea pig	or	LD_{50}	1250
887	Ethylene glycol monoacetate	Mouse	ip	LD_{50}	1450
888	Ethylene glycol monobutylether	Rat	or	LD_{50}	1480
		Guinea pig	or	LD_{50}	1200
889	Ethylene glycol monoethylether	Mouse	or	LD	4. 31 cc[2]
		Mouse	or	LD	5. 2 cc[3]
		Rat	or	LD_{50}	3000
		Rat	or	LD	3. 46 cc
		Guinea pig	or	LD_{50}	1400
		Guinea pig	or	LD	2. 79 cc
890	Ethylene glycol nitrate	Rabbit	sc	LD_{100}	400
		Cat	sc	LD_{100}	100
891	Ethyleneimine	Rat	or	LD_{50}	15[4]
		Guinea pig	or	LD_{50}*	15[4]
892	Ethylene oxide	Cat	sc	LD	100
		Dog	iv	LD	444[5]
893	N-Ethylepinephrine	Mouse	sc	LD	6
894	Ethyl-5-fluorohexanonate	Mouse	sc	LD_{50}	4
		Rat	im	LD_{50}	2. 3
		Rabbit	iv	LD_{50}	0. 2-0. 5
895	Ethyl-2-furylcarbamate	Rat	or	LD_{50}	3150
896	Ethyl glyceryl ether	Mouse	or	LD_{50}	9350±134
897	2-Ethylhexanol	Mouse	ip	LD_{50}	780
		Rat	or	LD_{50}	3200
		Rat	ip	LD_{50}	650
898	Ethyl-β-hydroxyethyl-ethyl-enimoniumpicryl sulfonate	Mouse	sc	LD_{50}	5. 5
		Mouse	iv	LD_{50}	5
		Rabbit	iv	LD_{50}	5-6
899	Ethyl mandelate	Mouse	or	LD_{50}	3 cc
		Rat	or	LD_{50}	4. 7 cc

/1/80% solution in H_2O. /2/Concentrated. /3/1:1dilution in H_2O. /4/0. 1% solution in H_2O.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
	H_2O		Page, J. Pharm. Exp. Ther. 30:313, 1927.	884
			Hanzlik, J. Pharm. Exp. Ther. 41:387, 1931.	
			Hunt, Indust. Engin. Chem. 24:836, 1932.	
			Lehmann & Flury, "Industrial Solvents," 1943.	
			Hanzlik, J. Pharm. Exp. Ther. 41:387, 1931.	
			Ajazzi-Mancini, Boll.soc.ital.biol.sper. 14:68, 1939.	
			Page, J. Pharm. Exp. Ther. 30:313, 1926.	
			Hanzlik, J. Pharm. Exp. Ther. 41:387, 1931.	
			Hofbauer, Dissert., Würzburg 1933.	
			Gross, Arch. exp. Path. Pharm. 200:271, 1942.	885
			Ibid	
3290-4690			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	886
1080-1450			Ibid	
			Karel, Fed. Proc. 6:342, 1947.	887
1150-1910			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	888
960-1500			Ibid	
4.64-4.01 cc			Laug, J. Ind. Hyg. Tox. 21:173, 1939.	889
5.73-4.73 cc	H_2O		Ibid	
2510-3590			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	
3.62-3.28 cc			Laug, J. Ind. Hyg. Tox. 21:173, 1939.	
1220-1600			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	
3.02-2.57 cc			Laug, J. Ind. Hyg. Tox. 21:173, 1939.	
			Gross, Arch. exp. Path. Pharm. 200:271, 1942.	890
			Ibid	
11-21	H_2O		Carpenter, J. Ind. Hyg. Tox. 30:2, 1948.	891
	H_2O		Ibid	
		10-12 hr	Hofbauer, Dissert., Würzburg 1933.	892
	H_2O		Stehle, Arch. exp. Path. Pharm. 104:82, 1924.	
			Konzett, Klin. Wschr. 19:1303, 1940.	893
			Chenoweth, J. Pharm. Exp. Ther. 97:383, 1949.	894
			Ibid	
			Ibid	
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	895
			Loeb, Fed. Proc. 8:316, 1949.	896
			Hodge, Proc.Soc.Exp.Biol.Med. 53:20, 1943.	897
			Ibid	
			Ibid	
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947.	898
			Ibid	
			Ibid	
			Div. Pharm. F. & D. Adm. Q. Rpt., Feb. 1946.	899
			Ibid	

/5/ 20% solution.

	Compound	Animal	Route	Dose	Dosage mg/kg Value
900	Ethylmercuric phosphate	Rat	or	LD_{50}*	30
901	Ethyl mercury thioglycolate	Rat	ip	MLD	30
		Rabbit	iv	MLD	20
902	Ethyl methacrylate	Rat	or	LD_{30}	12,700
		Rabbit	or	LD	5440
903	4-Ethylmorpholine	Rat	or	LD_{50}	1780
904	3-Ethylpent-4-en-1-yn-3-ol	Mouse	or	LD_{50}	630
		Mouse	sc	LD_{50}	690
905	Ethylphenylbenzazepine	Mouse	ip	LD_{50}	155±6
906	1-Ethyl-1-phenylthiourea	Rat	ip	LD_{50}	297±63
907	N-Ethylpiperidine	Rabbit	sc	LD	100
908	N-Ethyl-3-piperidyldiphenylacetate HCl	Mouse	or	LD_{50}	1040±68
		Mouse	iv	LD_{50}	26±0.12
909	2-Ethylpropyl-4-hydroxymethyl-1,3-dioxolane	Mouse	ip	LD_{50}	395.92±72.72
910	Ethyl salicylate	Guinea pig	or	MLD	1400
		Guinea pig	sc	LD	1500
911	Ethyltheobromine	Mouse	iv	LD_{50}	61.04±2.41
		Rat	or	LD_{50}	176±10.5
		Rat	iv	LD_{50}	73.6±3.67
912	Ethyl thiocarbamate	Rat	ip	LD_{100}*	425
913	Ethyl thiocyanate	Mouse	sc	MLD	50
		Rat	or	LD_{82}	40
		Rat	sc	MLD	40
		Cat	or	MLD	10
914	Ethyltrichlorosilane	Rat	or	LD_{50}	1330
915	Ethyltriethoxysilane	Rat	or	LD_{50}	13,720
916	Ethyltrimethylammonium iodide	Mouse	ip	LD_{50}	43
917	Ethyl vanillin	Rat	sc	LD_{50}	2000
		Rabbit	or	MLD	3000[2]
918	β-Eucaine	Frog	sc	MLD	1300
		Rat	iv	MLD	15-25
		Guinea pig	sc	MLD	310
		Guinea pig	ip	MLD	180
		Guinea pig	iv	MLD	30
		Rabbit	sc	MLD	400-500
		Cat	iv	MLD	10.0-12.5
919	Eucodal	Frog	sc	LD	500
		Rabbit	sc	LD	80-150
		Rabbit	iv	LD	40-45

/1/ To 5½ hours. /2/ 4-5% solution in milk.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Lehman, Q. Bull. Assoc. F. &D. Off. 15:122, 1951.	900
		24 hr	Cohen, J. Pharm. Exp. Ther. 35:343, 1929.	901
		Sudden	Ibid	
		$1\frac{1}{2}$-96 hr	Deichmann, J. Ind. Hyg. Tox. 23:343, 1941	902
		$9\frac{1}{2}$ hr	Ibid	
1490-2120			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	903
504-782			DuBois, J. Pharm. Exp. Ther. 107:459, 1953.	904
579-821			Ibid	
			Randall, J. Pharm. Exp. Ther. 103:10, 1951	905
			Saunders, Proc. Soc. Exp. Biol. Med. 76:84, 1951.	906
			Wolffenstein, Ber. deut. chem. Ges. 34:2408, 1901.	907
			Chen, J. Pharm. Exp. Ther. 104:269, 1952.	908
			Ibid	
			Berger, Arch. int. pharmacod. 85:474, 1951.	909
			Houghton, Am. J. Physiol. 13:331, 1905.	910
			Ibid	
		1 min	Scott, J. Pharm. Exp. Ther. 82:89, 1944.	911
			Ibid	
			Ibid	
		48 hr	Dille, J. Am. Pharm. Assoc. 29:195, 1940.	912
		$\frac{1}{2}$-2 hr	Von Oettingen, J. Ind. Hyg. Tox. 18:310, 1936.	913
		10 min	Ibid	
		1-3 hr	Ibid	
		7 hr	Ibid	
1050-1700			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	914
11,960-15,750			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	915
			Alles, Univ. Cal. Publ. Pharmacol. 1:187, 1939.	916
		3-24 hr	Deichmann, J. Am. Pharm. Assoc. 29:425, 1940.	917
	Milk		Ibid	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	918
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1347.	919
			Ibid	
			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
920	Eucupine	Mouse	sc	LD	300
		Rabbit	iv	LD	13
		Cat	sc	LD	25-50
921	Eugenol	Rat	or	LD_{50}	1930
		Rat	sc	LD^*	5000
		Rat	ip	LD	800-1000
922	Eumedrine	Frog	sc	LD	50
		Pigeon	sc	LD	40
923	Evipal	Frog	sc	LD	800
		Mouse	or	LD	500
		Mouse	sc	LD	250
		Mouse	ip	LD_{50}	280.0±20.4
		Mouse	ip	LD_{50}	270±17
		Mouse	iv	LD^*	190
		Rat	sc	LD	404
		Rat	ip	MLD	170
		Rat	ip	MLD	280
		Guinea pig	ip	LD	100
		Rabbit	or	MLD	1200
		Rabbit	rt	MLD	175
		Rabbit	ip	MLD	200-250
		Rabbit	iv	LD_{50}	80
		Cat	or	LD	400
		Cat	iv	LD	100
		Dog	iv	LD	100
924	Fanyline	Mouse	or	LD_{50}	44.9±2.9
		Mouse	or	LD_{100}	70
		Rat	or	LD_{50}	9.1±0.7
		Rat	or	LD_{100}	16.1
		Guinea pig	or	LD_{100}	1.3
		Rabbit	or	LD_{100}	1.7
		Cat	or	LD_{100}	0.5
		Dog	or	LD_{100}	0.25
		Pigeon	or	LD_{50}	7.2±0.6
		Pigeon	or	LD_{100}	12.5
925	Fencholic acid	Rabbit	ct	LD_{50}	>9 cc
926	Ferbam	Mouse ♂	ip	LD_{50}	3000±230
		Rat ♂	ip	LD_{50}	2700±96
		Rat ♀	ip	LD_{50}	>17,000
		Guinea pig ♂	ip	LD_{50}	450-2000
		Rabbit ♂	ip	LD_{50}	2000-3000
927	Ferric chloride, $FeCl_3 . 6H_2O$	Frog	sc	LD	5420
		Rat	or	LD	900
		Rabbit	iv	LD	7.2
928	Ferric sulfate, $Fe_2(SO_4)_3 . 6H_2O$	Frog	sc	LD	13,318
		Rabbit	sc	LD	>1066.8

/1/ 20% gum acacia solution.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
		1-1.6 hr	Bylsma, Zschr. ges. exp. Med. 11:257, 1920.	920
			Hoffmann, Zbl. Chir. 45:92, 1918.	
			Bylsma, Zschr. ges. exp. Med. 11:257, 1920.	
		1-48 hr	Sober, Proc.Soc.Exp.Biol. Med. 73:148, 1950.	921
			Binet, Rev. méd. Suisse rom. 16:449, 1896.	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1312.	922
			Ibid	
			Schlossman, Heffter's Hdb. E.2:152.	923
			Ibid	
			Ibid	
		24 hr	Berger, J. Pharm. Exp. Ther. 93:362, 1948.	
			Way, J. Pharm. Exp. Ther. 87:265, 1946.	
			Kennedy, J. Pharm. Exp. Ther. 50:347, 1934.	
			Schlossman, Heffter's Hdb. E.2:152.	
			Ibid	
			Maloney, J. Pharm. Exp. Ther. 54:77, 1935.	
			Schlossman, Heffter's Hdb. E.2:152.	
			Werner, J. Pharm. Exp. Ther. 60:189, 1937.	
			Ibid	
			Maloney, J. Pharm. Exp. Ther. 54:77, 1935.	
			Werner, J. Pharm. Exp. Ther. 60:189, 1937.	
			Schlossman, Heffter's Hdb. E.2:152.	
			Ibid	
			Ibid	
			Karel, J. Pharm. Exp. Ther. 93:287, 1948.	924
			Ibid	
			Ibid	
			Ibid	
	G acacia[1]		Ibid	
	G acacia[1]		Ibid	
	G acacia[1]		Ibid	
	G acacia[1]		Ibid	
	G acacia[1]		Ibid	
	G acacia[1]		Ibid	
			Div. Pharm. F. & D. Adm. Q. Rpt., March 1947.	925
			Hodge, J. Am. Pharm. Assoc. 41:662, 1952.	926
			Ibid	
			Ibid	
			Ibid	
			Ibid	
		6 hr	Starkenstein, Heffter's Hdb. 3.2:1278.	927
			Ibid	
		Instant	Ibid	
		Sev da	Starkenstein, Heffter's Hdb. 3.2:1278.	928
			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
929	Ferrous acetate, $FeAc.4H_2O$	Rabbit	sc	LD	492
930	Ferrous chloride, $FeCl_2.4H_2O$	Frog	or	LD	1986
		Rat	or	LD	984-1986
		Rat	rt	LD	498-984
		Rabbit	or	LD	890
		Rabbit	sc	LD	188.6
		Rabbit	rt	LD	984
931	Ferrous lactate, $FeLac.3H_2O$	Rabbit	sc	LD	577.9
		Rabbit	iv	LD	286.8
932	Ferrous nitrate, $Fe(NO_3)_2.6H_2O$	Rabbit	sc	LD	428
933	Ferrous sulfate, $FeSO_4.7H_2O$	Frog	or	MLD	2778.8
		Frog	sc	MLD	996
		Frog	ip	MLD	612.5
		Rat	or	LD	1389-2778
		Rat	rt	LD	697-1389
		Rabbit	or	LD	2778.8
		Rabbit	sc	LD	277.8
		Rabbit	iv	LD	99
934	Flaxedil	Mouse	sc	LD_{50}	17.4±1.1
		Mouse	iv	LD_{50}	4.32
935	Fluorescein	Rat	ip	LD_{50}*	600
		Rabbit	or	LD	2000-3000
		Rabbit	iv	LD_{50}*	300
936	"Fluoroacetate"	Toad[1]	ip	LD_{50}	>500
		Mouse[2]	or	LD_{50}	17
		Mouse[3]	or	LD_{50}	0.5
		Mouse[4]	or	LD_{50}	8
		Mouse[5]	or	LD_{50}	4
		Mouse	sc	LD_{50}	17
		Mouse[6]	sc	LD_{50}	19.3
		Mouse[7]	sc	LD_{50}	16
		Mouse[7]	sc	LD_{50}	5
		Mouse[7]	ip	LD_{50}	10
		Rat[7]	or	LD_{50}	2.5
		Rat[7]	sc	LD_{50}	2-3
		Rat[7]	im	LD_{50}	5
		Rat[8]	or	LD_{50}	0.5
		Rat[9]	or	LD_{50}	0.1
		Rat[10]	or	LD_{50}	0.1
		Rat[11]	ip	LD_{50}	0.1
		Rat[12]	ip	LD_{50}	0.15
		Rat[13]	or	LD_{50}	3
		Rat[14]	or	LD_{50}	0.22
		Rat[15]	ip	LD_{50}	0.8
	(continued on next page)	Rat[16]	or	LD_{50}	1.5

/1/South African clawed. /2/Curworth. /3/Meadow. /4/House. /5/Deer. /6/Maple grove.
Morrison. /13/Norway, Florida. /14/Norway, Maryland. /15/Wood, Arizona. /16/Wood,

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
		18 hr	Starkenstein, Heffter's Hdb. 3. 2:1278.	929
		24 hr	Starkenstein, Heffter's Hdb. 3. 2:1278.	930
		Few hr	Ibid	
		48 hr	Ibid	
		24 hr	Ibid	
		12 hr	Ibid	
		6 hr	Ibid	
		48 hr	Starkenstein, Heffter's Hdb. 3. 2:1278.	931
		8 hr	Ibid	
		24 hr	Starkenstein, Heffter's Hdb. 3. 2:1278.	932
		24 hr	Starkenstein, Heffter's Hdb. 3. 2:1278.	933
			Ibid	
			Ibid	
			Ibid	
		4 hr	Ibid	
		8 hr	Ibid	
		9 hr	Ibid	
		8 hr	Ibid	
			Winter, J. Pharm. Exp. Ther. 100:489, 1950.	934
			Pelikan, Proc. Pharm. Soc. Fall. Meet. p64, 1951.	
			Emerson, Int. J. Leprosy 2:257, 1934.	935
			Flury, Abderhalden's Hdb. 4. 7b:1348.	
			Emerson, Int. J. Leprosy 2:257, 1934.	
			Chenoweth, Chem. Biol. Coord. Ctr. Rev. 2.	936
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Tourtellotte, J. Pharm. Exp. Ther. 101:82, 1951.	
			Chenoweth, Chem. Biol. Coord. Ctr. Rev. 2.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	

/7/Albino. /8/Alexandrine. /9/Black /10/Cotton. /11/Kangaroo, Bannertail. /12/Kangaroo, California.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
936	"Fluoroacetate" (concluded)	Guinea pig	sc	LD_{100}	0.25
		Guinea pig	ip	LD_{50}	0.35
		Rabbit[1]	sc	LD_{100}	0.5-1.0
		Rabbit[2]	iv	LD_{50}	0.25
		Rabbit[3]	iv	LD_{50}	0.5
		Hamster	ip	LD_{50}	3
		Gopher[4]	ip	LD_{100}	0.05
		Gopher[5]	ip	LD_{50}	0.2
		Gr. squir.[6]	or	LD_{50}	0.3
		Gr. squir.[7]	ip	LD_{50}	0.4
		Gr. squir.[8]	ip	LD_{50}	0.9
		Cat	iv	LD_{50}	0.2
		Dog	iv	LD_{50}	0.06
		Dog	iv	LD_{100}	0.10
		Coyote	ip	LD_{50}	0.10
		Monkey[9]	iv	LD_{50}	4
		Monkey[10]	iv	LD_{50}	15
		Goat	im	LD_{50}	0.6
		Horse	or	LD_{50}	1
		Pig[11]	or	LD_{50}	<1
		Pig[12]	ip	LD_{50}	0.4
		Sheep	or	LD_{50}	2
		Chicken[13]	or	LD_{50}	7.5
		Chicken[14]	or	LD_{50}	5
		Chicken[15]	or	LD_{50}	5.5
		Pigeon[16]	or	LD_{50}	2.5
		Pigeon[5]	or	LD_{50}	9
		Eagle[17]	or	LD_{50}*	5
		Quail[18]	or	LD_{50}	20
		Sparrow[19]	or	LD_{50}	2.5
		Vulture[20]	or	LD_{50}*	15
937	Fluoroacetate sodium	Rat[21]	or	LD_{50}	0.22±0.01
		Rat[22]	or	LD_{50}	6.9
		Dog	or	LD_{50}	0.066
938	3-Fluoro-5-bromotyrosine	Mouse	sc	LD	78
939	γ-Fluorobutyrate methyl ester	Rabbit	iv	LD_{50}	0.10
		Cat	iv	LD_{50}	0.2
		Monkey[9]	iv	LD_{50}	3-5
940	γ-Fluorocrotonate sodium	Frog[23]	sc	LD_{50}	25
		Mouse[22]	iv	LD_{50}	1
		Mouse[22]	iv	LD_{100}	2
		Rat[22]	ip	LD_{50}	1
		Rabbit[22]	iv	LD_{50}	0.15
941	1, 2, 4-Fluorodinitrobenzene	Mouse	sc	LD*	100
942	5-Fluorohexanoate ethyl ester (continued on next page)	Mouse	sc	LD_{50}	4

/1/ Dutch. /2/ New Zealand white. /3/ New Zealand pigmented. /4/ Pocket. /5/ Florida.
/9/ Rhesus. /10/ Spider. /11/ Adult. /12/ Young. /13/ White leghorn. /14/ Rhode Island red.
/21/ Norway. /22/ Albino. /23/ Rana pipiens.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Chenoweth, Chem. Biol. Coord. Ctr. Rev. 2.	936
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
	G acacia	3/4-4 hr	Dieke, Pub. Health Rpt. 61:672, 1946. Div. Pharm. F. & D. Adm. Q. Rpt., Aug. 1945. Tourtellotte, Fed. Proc. 9:321, 1950.	937
			Euler, Arch. exp. Path. Pharm. 206:75, 1949.	938
			Chenoweth, Chem. Biol. Coord. Ctr. Rev. 2.	939
			Ibid	
			Ibid	
			Chenoweth, Chem. Biol. Coord. Ctr. Rev. 2.	940
			Ibid	
			Ibid	
			Ibid	
			Ibid	
	Prop gly		Cook, Biochem. J. 41:558, 1947.	941
			Chenoweth, Chem. Biol. Coord. Ctr. Rev. 2.	942

6/Ground squirrel, Fisher. /7/Ground squirrel, Apache. /8/Ground squirrel, Columbian.
15/Plymouth Rock. /16/ Colorado. /17/ Golden. /18/ Gambel's. /19/ English. /20/ Black.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
942	5-Fluorohexanoate ethyl ester(concluded)	Rat	im	LD_{50}	2.3
		Rabbit	iv	LD_{50}	0.2-0.5
943	3-Fluoro-4-hydroxyphenylacetic acid	Mouse	sc	LD	3500
944	1-(3-Fluoro-4-hydroxy)-phenyl-1-methyl-2-methylaminoethane	Mouse	sc	LD	550
945	Fluorotyramine	Mouse	sc	LD	1000
946	Formaldehyde	Mouse	sc	LD_{50}	300
		Rat	or	LD_{50}	800
		Rat	sc	LD_{50}	420
		Guinea pig	or	LD_{50}	260
		Rabbit	iv	LD	700
947	Formalin[1]	Dog	sc	LD	0.88 cc
		Dog	sc	LD	0.55 cc
948	Formamide	Frog	sc	LD	300
949	Formic acid	Rabbit	iv	MLD	239
		Dog	or	MLD	4000[2]
		Dog	iv[3]	MLD	3000[2]
950	Formic acid ethyl ester	Rat	or	LD_{50}	4290
		Rabbit	ct	LD_{50}	>20 cc
951	Fradicin (crystalline)	Mouse	ip	LD_{50}*	4
952	Frugoside	Cat	iv	LD_{50}	0.1611
953	Fuadin	Rabbit	iv	MLD	80
954	Fuchsine (basic)	Mouse	rt	LD	25[4]
		Rabbit	or	LD	150[4]
955	Fungicide 341-B[5]	Mouse[6]	or	LD_{50}	5300
		Rat	or	LD_{50}	8400
		Rat[6]	or	LD_{50}	6800
		Rat[6]	or	LD_{50}	5000
956	Fungicide 341-C	Rat	or	LD_{50}*	3720
957	Furacin	Mouse	or	LD_{50}	580
		Rat	or	LD_{50}	590
		Rat	sc	LD_{50}	3000
958	Furfural	Frog	or	LD	3479.8
		Frog	sc	LD	2642
		Mouse	sc	LD	13.7
		Rabbit	or	LD	927
		Dog	or	LD	2318
		Dog	iv	LD	166
959	Furfuryl alcohol	Rat	or	LD_{50}	275[7]
		Rat	iv	LD_{50}	650[8]
		Guinea pig	iv	MLD	210[9]
	(continued on next page)	Rabbit	sc	LD	600[10]

/1/Formalin-37% solution of formaldehyde in H_2O. /2/Sodium salt. /3/Slow injection. /4/Daily. kaolin to make 100%. /6/Animals not fasted. /7/2% solution in H_2O. /8/10% solution in H_2O.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Chenoweth, Chem. Biol. Coord. Ctr. Rev. 2.	942
			Ibid	
			Euler, Arch. exp. Path. Pharm. 206:75, 1949.	943
			Euler, Arch. exp. Path. Pharm. 206:75, 1949.	944
			Euler, Arch. exp. Path. Pharm. 206:75, 1949.	945
		24 hr	Skog, Acta pharm. tox. 6:299, 1950.	946
730-870			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	
		24 hr	Skog, Acta pharm. tox. 6:299, 1950.	
220-300			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	
		8 hr	Sammartino, Arch. farm. sper. 56:301, 1933.	
		24 hr	Fleig, Arch. int. pharmacod. 17:147, 1907.	947
		Sev da	Ibid	
			Gibbs, DuBois'Arch. f. Physiol. Suppl. p259, 1892.	948
			Sammartino, Arch. farm. sper. 56:301, 1933.	949
			Fleig, Arch. int. pharmacod. 17:147, 1907.	
			Ibid	
3070-5980			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	950
			Ibid	
			Hickey, Science 113:261, 1951.	951
0.1107-0.2844	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	952
			Weese, Med. u. Chem., Berl. 3:413, 1936.	953
		10 da	Deschiens, C. rend. Soc. biol. 138:201, 1944.	954
		10 da	Ibid	
4800-5700			Carpenter, Arch. Ind. Hyg. Occ. Med. 4:494, 1951.	955
8100-9400			Ibid	
6100-7600			Ibid	
4600-5600			Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	956
			Downing, J. Am. Med. Assoc. 133:299, 1947.	957
			Ibid	
			Ibid	
		3 min	McGuigan, J. Pharm. Exp. Ther. 21:65, 1923.	958
		10 min	Ibid	
		20 min	Ibid	
		15 hr	Ibid	
		10 min	Ibid	
			Ibid	
	H_2O		Gajewski, Fed. Proc. 8:294, 1949.	959
	H_2O		Ibid	
			Jeffroy, Arch. méd. exp., Par. 8:195, 1896.	
	H_2O		Erdmann, Arch. exp. Path. Pharm. 48:233, 1902.	

/5/Contains 30% heptadecylimidazoline + 3.3% 2-heptadecyl-1-hydroxyethylimidazoline +
/9/Injected at rate of 15 mg per minute. /10/ 25% solution in H_2O.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
959	Furfuryl alcohol (concluded)	Rabbit	iv	MLD	240[1]
		Rabbit	iv	LD	800-1400[2]
		Dog	iv	MLD	290[1]
960	2-α-Furyl-4-hydroxymethyl-1, 3-dioxolane	Mouse	ip	LD_{50}	374±15. 3
961	Gallic acid	Frog	sc	LD	3000[3]
		Frog	sc	LD	2000[4]
		Rat	sc	LD	3500[4]
		Rat	sc	LD	5000[3]
		Guinea pig	sc	LD	3500[4]
		Guinea pig	sc	LD	5000[3]
		Rabbit	iv	LD	3320
962	Gallium ammonium sulfate	Mouse	sc	LD	100[5]
		Rat	sc	LD	200
		Guinea pig	sc	LD	1143
963	Gallium lactate	Rat	sc	LD_{50}	585. 6
		Rat	iv	LD_{50}	222. 6
		Rabbit	sc	LD_{50}	474. 3
		Rabbit	iv	LD_{50}	208. 1
964	Gallium nitrate	Rat	sc	LD_{100}	72
965	Gantrisin lithium	Mouse	or	LD_{50}	10, 000
		Mouse	sc	LD_{50}	5000
		Mouse	iv	LD_{50}	2500
966	Gantrisin sodium	Mouse	or	LD_{50}	10, 000
		Mouse	ip	LD_{50}	3200
		Rat	iv	LD_{50}	2300
967	Gelsemine	Rabbit	sc	MLD	0. 51
968	Germanin	Mouse	iv	LD_{40}	400[6]
969	Germanium oxide	Rat	sc	LD	>180
		Rat	ip	LD_{50}	750
		Rat	ip	LD_{100}	1200
		Guinea pig	ip	MLD*	400
		Guinea pig	ip	MLD*	300
970	Germerine	Frog[7]	sc	LD_{50}	9
		Frog[8]	sc	LD_{50}	20
		Rat	or	LD_{50}	30
		Rat	sc	LD_{50}	3. 7
		Rabbit	sc	LD_{100}	2
		Rabbit	iv	LD	0. 3
		Cat	sc	LD	0. 5
971	Germidine	Mouse	ip	LD_{50}	10
972	Germine	Mouse	iv	LD_{50}	139

/1/ Injected at rate of 15 mg per minute. /2/ 20% solution in normal saline. /3/ As sodium
/7/ Water frog. /8/ Grass frog.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Jeffroy, Arch. méd. exp., Par. 8:195, 1896.	959
	N saline		Fine, Arch. Ind. Hyg. Occ. Med. 1:625, 1950.	
			Jeffroy, Arch. méd. exp., Par. 8:195, 1896.	
			Berger, Arch. int. pharmacod. 85:474, 1951.	960
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	961
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Filomeni, Arch. farm. sper. 63:183, 1937.	
			Schwarz, Arch. Hyg. 100:143, 1928.	962
			Ibid	
		5 da	Ibid	
			Dudley, N. M. R. Proj. NMO11013 Rpt. 3, 1949.	963
			Ibid	
			Ibid	
			Ibid	
		7-14 da	Meek, Indust. Med. 12:7, 1943.	964
			Schnitzer, J. Pharm. Exp. Ther. 88:47, 1946.	965
			Ibid	
			Ibid	
			Schnitzer, J. Pharm. Exp. Ther. 88:47, 1946.	966
			Ibid	
			Ibid	
			Risi, Zschr. Biol. 99:446, 1939.	967
			Branden, Ann. Soc. belge méd. trop. 20:91, 1940.	968
			Hammet, J. Pharm. Exp. Ther. 19:337, 1922.	969
			Rosenfeld, Arch. Ind. Hyg. Occ. Med. 8:436, 1953.	
			Ibid	
		24 hr	Muller, J. Pharm. Exp. Ther. 42:277, 1931.	
			Ibid	
			Haas, Arch. exp. Path. Pharm. 189:397, 1938.	970
			Ibid	
			Krayer, Physiol. Rev. 26:383, 1946.	
			Ibid	
			Haas, Arch. exp. Path. Pharm. 189:397, 1938.	
			Ibid	
			Ibid	
9.1-11.0			Swiss, Proc. Soc. Exp. Biol. Med. 76:847, 1951.	971
		13min+	Krayer, J. Pharm. Exp. Ther. 82:167, 1946.	972

salt. /4/ Free acid. /5/ 100 mg per mouse, as gallium metal. /6/ Slow injection.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
973	Gitalin	Frog	sc	LD	4.5-6.0
		Mouse	sc	LD	29
		Rabbit	iv	LD	5.8
		Cat	or	LD	0.37
		Cat	sc	LD	0.55
		Cat	iv	LD	0.53
974	Gitorin	Cat	iv	LD_{50}	0.4372
975	Gitoxin	Frog	sc	LD	8.5
		Cat	or	LD	0.88
		Cat	sc	LD	0.8
		Cat	iv	LD	0.59
976	Gitoxoside	Cat	iv	LD_{50}	0.587±0.037
977	Glucose	Rabbit	or	LD	20,000
		Rabbit	iv	LD	12,000-25,000
		Rabbit	iv	LD	35,000
		Dog	or	LD	8,000-12,000
978	Glucosyl-β-phenylethylamine	Mouse	ip	LD_{50}	538[1]
		Mouse	ip	LD_{50}	434[2]
979	Glucuronic acid lactone	Mouse	or	LD*	10,700
		Mouse	sc	LD*	4,700
		Mouse	ip	LD*	3,200
		Mouse	iv	LD*	940
		Rat	or	LD_{50}	20,050±1450
		Rat	sc	LD_{50}	6400±740
		Rat	ip	LD_{50}	3100±440
		Rabbit	sc	LD*	7100
		Rabbit	iv	LD*	2100
980	Glycerol	Mouse	or	LD	31,500[3]
		Mouse	or	LD_{50}	23 cc
		Mouse	or	LD_{50}	32,224
		Mouse	or	LD_{100}	44,250-56,700
		Mouse	sc	LD_{50}	12,600[3]
		Mouse	iv	LD_{50}	7560[3]
		Rat	or	LD_{50}	27,500
		Rat	or	LD_{50}	27.2 cc
		Rat	or	LD_{50}	27,500
		Rat	sc	LD_{60}	15,120
		Rat	sc	LD_{50}	20,160
		Rat	im	LD_{60}	7560
		Rat	ip	LD_{40}	6300-7560
		Guinea pig	or	LD_{50}	7750
		Guinea pig	sc	LD_{100}	15,750
		Rabbit	or	LD	26,460
		Rabbit	or	LD	28,980
		Dog	sc	LD	9,008-11,260

/1/Optical rotation, -15°. /2/Optical rotation, +10°. /3/Undiluted.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Lendle, Heffter's Hdb. E. 1:78.	973
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
0.3144-0.5073	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	974
			Lendle, Heffter's Hdb. E. 1:78.	975
			Ibid	
			Ibid	
			Ibid	
			Peterfalvi, Arch. int. pharmacod. 87:425, 1951.	976
			Flury, Abderhalden's Hdb. 4. 7b: 1422.	977
			Ibid	
		Instant	Ibid	
			Ibid	
			Kaesling, Proc. Pharm. Soc. Fall Meet. p45, 1951.	978
			Ibid	
			Deichmann, Indust. Med. 20:417, 1951.	979
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Latven, J. Pharm. Exp. Ther. 65:89, 1939.	980
			Hine, Arch. Ind. Hyg. Occ. Med. 7:282, 1953.	
			Woodard, Fed. Proc. 4:142, 1945.	
			Lannoy, J. pharm. chim., Par. 2:3, 1942.	
			Latven, J. Pharm. Exp. Ther. 65:89, 1939.	
			Ibid	
23,950-31,610			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	
			Hine, Arch. Ind. Hyg. Occ. Med. 7:282, 1953.	
			Woodard, Fed. Proc. 4:142, 1945.	
			Braun, J. Am. Pharm. Assoc. 25:746, 1936.	
		3 hr-3 da	Deichmann, Indust. Med. 10:5, 1941.	
			Braun, J. Am. Pharm. Assoc. 25:746, 1936.	
		1 hr-3 da	Deichmann, Indust. Med. 10:5, 1941.	
6030-9950			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	
			Lannoy, J. pharm. chim., Par. 2:3, 1942.	
		2-3 hr*	Deichmann, Indust. Med. 10:5, 1941.	
			Ibid	
			Plosz, Arch. ges. Physiol. 16:153, 1878.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
981	Glycidyl oleate	Rat	or	LD_{50}	3520
982	Glycolaldehyde	Rabbit	sc	LD	4000
983	Glyodin (base)	Rat	or	LD_{50}	3720
984	Glyoxal	Rat	or	LD_{50}	2020
		Guinea pig	or	LD_{50}	760
		Dog	sc	LD	28
985	Glyoxaltetrabutylacetal	Rat	or	LD_{50}	8900
		Rabbit	ct	LD_{50}	2240
986	Gossypol acetate	Cat	iv	LD	75
987	Gramicidin	Mouse	ip	LD_{38}	75
		Mouse	iv	LD_{100}	5
		Mouse	iv	LD_{50}	1.5
988	Guaiacol	Rat	sc	LD	900
		Guinea pig	sc	LD	600
		Rabbit	iv	LD	3.7
989	Guanidine	Mouse	sc	LD*	300
		Rat	sc	MLD	250[2]
		Rat	sc	LD_{100}	750
		Rat	ip	LD*	175
		Guinea pig	sc	LD_{100}	100-200[3]
		Guinea pig	sc	LD	500
		Guinea pig	ip	LD	1500
		Rabbit	or	LD	500
		Rabbit	sc	LD	500
		Cat	sc	LD	200-250[3]
		Cat	ip	LD	100
		Dog	sc	LD	200-250[3]
990	Halazone	Rat	or	MLD	3500
		Rat	iv	MLD	800
991	Harmaline	Frog	sc	MLD	250
		Rat	sc	MLD	120
		Guinea pig	sc	MLD	100
		Rabbit	sc	MLD	100
		Cat	sc	MLD	100
		Dog	sc	LD	33.3
992	Harmane	Mouse	sc	LD	30
993	Harmine	Frog	sc	MLD	300
		Frog	sc	MLD	300
		Mouse	sc	LD	300
		Rat	sc	MLD	200
		Guinea pig	sc	MLD	120
	(continued on next page)	Guinea pig	sc	LD	100

/1/ Or alcohol. /2/ Free base. /3/ Hydrochloride.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
3350-3690			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	981
			Mayer, Zschr. physiol. Chem. 38:135, 1903.	982
			Conley, J. Am. Med. Assoc. 157:237, 1955.	983
1630-2520			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	984
550-1040			Ibid	
			Pohl, Arch. exp. Path. Pharm. 37:413, 1896.	
6700-11,980			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	985
930-5380			Ibid	
	Oil[1]	2-4 da	Alsberg, J. Pharm. Exp. Ther. 13:504, 1919.	986
		24 hr	Robinson, J. Pharm. Exp. Ther. 74:75, 1942.	987
		24 hr	Ibid	
	Prop gly		Anderson, Science 103:419, 1946.	
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	988
			Ibid	
			Stefano, Arch. farm. sper. 67:190, 1939.	
			Flury, Abderhalden's Hdb. 4.7b:1352.	989
		24 hr	Alles, J. Pharm. Exp. Ther. 28:251, 1926.	
			Minot, J. Pharm. Exp. Ther. 43:295, 1931.	
99-300			Klinger, Arch. exp. Path. Pharm. 90:129, 1921.	
			Flury, Abderhalden's Hdb. 4.7b:1352.	
		3 hr	Heyde, Zschr. ges. exp. Med. 1:59, 1913.	
		20 min	Ibid	
		3-5 hr	Flury, Abderhalden's Hdb. 4.7b: 1352.	
		3-5 hr	Ibid	
			Ibid	
			Klinger, Arch. exp. Path. Pharm. 90:129, 1921.	
			Flury, Abderhalden's Hdb. 4.7b:1352.	
			Stohlman, Pub. Health Rpt. 59:541, 1944.	990
		½-18 hr	Ibid	
		31-36 hr	Gunn, Tr. R. Soc., Edinburgh 47:245, 1909.	991
		7½ hr	Ibid	
		7 2/3 hr	Ibid	
		1½ hr	Ibid	
		9 hr	Ibid	
			Flury, Arch. exp. Path. Pharm. 64:105, 1911.	
			Kadoyama, Tohoku J.E.M. 17: 1,10,20,25,28, 1931.	992
			Hara, Jap. J. Med. Sc. IV Pharm. 1:78, 1933.	993
			Gunn, Q.J. Pharm. Pharmacol. 4:33, 1931.	
			Hara, Jap. J. Med. Sc. IV Pharm. 1:78, 1933.	
			Gunn, Q.J. Pharm. Pharmacol. 4:33, 1931.	
			Ibid	
			Lewin, Arch. exp. Path. Pharm. 129:133, 1928.	

Compound	Animal	Route	Dose	Dosage mg/kg
				Value
993 Harmine (concluded)	Rabbit	sc	LD	200
	Rabbit	sc	MLD	100
	Rabbit	sc	MLD	200
	Rabbit	sc	MLD	230
	Cat	sc	MLD	200
	Monkey	sc	MLD	30
	Pigeon	sc	MLD	150
994 Harmol	Frog	sc	LD	180
	Mouse	ip	LD	140
	Rat	sc	LD	400
	Guinea pig	sc	LD	200
	Rabbit	sc	LD	400
995 Helleborein	Frog	sc	LD	4
	Toad	sc	LD	185-244
	Cat	iv	LD	1.9
996 Heparin	Mouse	iv	LD_{50}	1500-2000
997 Heparinoid	Mouse	iv	LD_{50}	1898
998 Heptachlor	Rat	or	LD_{50}*	90
999 2-Heptadecyl-1-hydroxyethyl-imidazoline	Rat	or	LD_{50}	3800
1000 Heptadecylimidazoline	Rat	or	LD_{50}	1300
1001 Heptaldehyde sodium bisulfite	Mouse	ip	LD_{50}	1460
	Mouse	iv	LD_{50}	500
	Rat	ip	LD_{50}	1300
	Rabbit	iv	LD_{50}	450
1002 2-Heptanol	Rat	or	LD_{50}	2580
	Rabbit	ct	LD_{50}	1.78 cc
1003 3-Heptanol	Rat	or	LD_{50}	1870
	Rabbit	ct	LD_{50}	4360
1004 Heptazone	Mouse	sc	LD_{50}	110
1005 Heptazone HCl	Mouse	sc	LD_{50}	240
	Mouse	iv	LD_{50}	47.5
	Rat	sc	LD_{50}	132
1006 (3-Heptoxyphenyl)trimethylammonium bromide	Mouse	iv	LD_{50}	5.0±0.5
1007 2-Heptylamine	Mouse	ip	LD_{50}	95
1008 3-Heptylamine	Mouse	ip	LD_{50}	90
1009 2-Heptylmethylamine	Mouse	ip	LD_{50}	110
1010 3-Heptylmethylamine	Mouse	ip	LD_{50}	70
1011 n-Heptyltrimethylammonium iodide	Mouse	ip	LD_{50}	28
1012 Heroin	Rabbit	sc	LD	150

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
		3-6 hr	Lewin, Arch. exp. Path. Pharm. 129:133, 1928. Hara, Jap. J. Med. Sc. IV Pharm. 1:78, 1933. Lewin, Arch. exp. Path. Pharm. 129:133, 1928. Gunn, Q. J. Pharm. Pharmacol. 4:33, 1931. Hara, Jap. J. Med. Sc. IV Pharm. 1:78, 1933. Ibid Gunn, Q. J. Pharm. Pharmacol. 4:33, 1931.	993
			Gunn, Q. J. Pharm. Pharmacol. 4:33, 1931. Ibid Ibid Ibid Ibid	994
			Honda, Arch. int. pharmacod. 9:431, 1901. Ibid Lendle, Heffter's Hdb. E. 1: 78.	995
			Seifter, Am. J. Med. Sc. 216:234, 1948.	996
			Seifter, Am. J. Med. Sc. 216:234, 1948.	997
			Lehman, Q. Bull. Assoc. F. &D. Off. 15:122, 1951.	998
3400-4200			Carpenter, Arch. Ind. Hyg. Occ. Med. 4:494, 1951.	999
1000-1700			Carpenter, Arch. Ind. Hyg. Occ. Med. 4:494, 1951.	1000
			Gruber, J. Pharm. Exp. Ther. 98:274, 1950. Ibid Ibid Ibid	1001
2290-2910 1.10-2.88 cc			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61. 1954. Ibid	1002
1340-2600 2360-8060			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951. Ibid	1003
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	1004
			Winter, J. Pharm. Exp. Ther. 98:305, 1950. Ibid Ibid	1005
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	1006
			Marsh, J. Pharm. Exp. Ther. 103:325, 1951.	1007
			Marsh, J. Pharm. Exp. Ther. 103:325, 1951.	1008
			Marsh, J. Pharm. Exp. Ther. 103:325, 1951.	1009
			Marsh, J. Pharm. Exp. Ther. 103:325, 1951.	1010
			Alles, Univ. Cal. Publ. Pharmacol. 1:187, 1939.	1011
			Flury, Abderhalden's Hdb. 4. 7b:1354.	1012

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1013	HETP	Mouse	or	LD$_{50}$	55.5
		Mouse	sc	LD$_{50}$	0.9
		Mouse	ip	LD$_{50}$	6.1
		Rat	or	LD$_{50}$	1.9
		Rat	or	LD$_{50}$	7
		Rat	sc	LD$_{50}$	0.7
		Rat	ct	LD$_{50}$	25
		Guinea pig	or	LD$_{50}$	16
		Guinea pig	sc	LD$_{50}$	2.2
		Guinea pig	ct	LD$_{50}$	120
		Rabbit	or	LD$_{50}$	20.5
		Rabbit	iv	LD$_{50}$	0.69
		Rabbit	ct	LD*	103.2[1]
		Dog	im	LD*	1.5
		Dog	iv	LD*	1.3
1014	Hetramine	Mouse	ip	LD$_{50}$	61
1015	Hetrazan	Mouse	or	LD$_{50}$	660
		Mouse	ip	LD$_{50}$	248
		Mouse	iv	LD$_{50}$	82
		Rat	or	LD$_{50}$	1380
		Rat	ip	LD$_{50}$	465
		Rat	iv	LD$_{50}$	150
1016	Hexachloroethane	Dog	iv	MLD	325
1017	Hexachloropropylene	Rat	ip	LD$_{50}$	0.4 cc
1018	Hexahydrophthalic acid diethyl ester	Mouse	or	LD$_{50}$	2.4 cc
		Rat	or	LD$_{50}$	3.9 cc
1019	Hexanal	Rat	or	LD$_{50}$	4520-5640
1020	2,5-Hexanediol	Rat	or	LD$_{50}$	5000
		Rabbit	ct	LD$_{50}$	16,300
1021	1,2,6-Hexanetriol	Rat	or	LD$_{50}$	17,000
		Rabbit	ct	LD$_{50}$	>20 cc
1022	Hexanoic acid	Rat	or	LD$_{50}$	3000
		Rat	or	LD$_{50}$	6440
		Rat	or	LD$_{50}$	6860
		Guinea pig	ct	LD$_{50}$	4650
		Rabbit	ct		0.63 cc
1023	1-Hexanol	Rat	or	LD$_{50}$	4870
1024	2-Hexanone	Rat	or	LD$_{50}$	2590
		Rabbit	ct	LD$_{50}$	5.99 cc
1025	Hexobarbital	Mouse	or	LD$_{50}$	468[2]
1026	Hexose diphosphoric acid	Rat	ip	LD	4600
1027	Hexylamine	Rat	or	LD$_{50}$	670
		Rabbit	ct	LD$_{50}$	0.42 cc
1028	2-Hexylamine	Mouse	ip	LD$_{50}$	60
1029	Hexylbenzazepine	Mouse	ip	LD$_{50}$	180±1.3
		Mouse	iv	LD$_{50}$	17±1.7

/1/ 2.5% solution in H_2O. /2/ 94-107% limit of error.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Hagan, Fed. Proc. 6:335, 1947.	1013
			Forssling, Acta pharm. tox. 4:143, 1948.	
			Dayrit, J. Pharm. Exp. Ther. 92:173, 1948.	
			Forssling, Acta pharm. tox. 4:143, 1948.	
			Hagan, Fed. Proc. 6:335, 1947.	
			Forssling, Acta pharm. tox. 4:143, 1948.	
			Ibid	
			Hagan, Fed. Proc. 6:335, 1947.	
			Forssling, Acta pharm. tox. 4:143, 1948.	
			Ibid	
			Hagan, Fed. Proc. 6: 335, 1947.	
			Ibid	
	H_2O		Deichmann, Fed. Proc. 6:322, 1947.	
			Dayrit, J. Pharm. Exp. Ther. 92:173, 1948.	
			Ibid	
			Reinhard, Proc. Soc. Exp. Biol. Med. 66:512, 1947.	1014
			Harned, Ann. N. Y. Acad. Sci. 50:141, 1948.	1015
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
	Oil	30 min	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	1016
			Spiegel, A. E. C. MDDC-1715, 1948.	1017
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	1018
			Ibid	
			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	1019
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	1020
			Ibid	
12,200-23,800			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	1021
			Ibid	
			Smyth, J. Ind. Hyg. Tox. 26:269, 1944.	1022
5770-7190			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	
5580-8450			Smyth, unpublished data, Mellon Inst.	
			Smyth, J. Ind. Hyg. Tox. 26:269, 1944.	
0.33-1.2 cc			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	
4520-5640			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	1023
2110-3180			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	1024
4.27-8.42 cc			Ibid	
			Reinhard, J. Pharm. Exp. Ther. 106:444, 1952.	1025
			Abelles, Biochem. Zschr. 163:226, 1925.	1026
620-740			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	1027
0.3-0.6 cc			Ibid	
			Marsh, J. Pharm. Exp. Ther. 103:325, 1951.	1028
			Randall, J. Pharm. Exp. Ther. 103:10, 1951.	1029
			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg Value
1030	n-Hexylbenzoate	Rat	or	LD_{50}	12,300
		Rabbit	ct	LD_{50}	21,000
1031	Hexylether	Rat	or	LD_{50}	30,900
		Rabbit	ct	LD_{50}	6.9 cc
1032	2-n-Hexyl-4-hydroxymethyl-1,3-dioxolane	Mouse	ip	LD_{50}	439.92±52.64
1033	2-Hexylmethylamine	Mouse	ip	LD_{50}	120
1034	n-Hexylresorcinol	Mouse	sc	MLD	750-1000[1]
		Mouse	ip	MLD	50[2]
		Mouse	ip	MLD	200[1]
		Rat	or	LD_{50}	550
		Rat	or	MLD	250[3]
		Guinea pig	or	LD_{50}	475[4]
1035	n-Hexyltrimethylammonium iodide	Mouse	ip	LD_{50}	24
1036	Hibicon	Rat	or	LD_{50}	3200
		Rat	ip	LD_{50}	770
1037	Histadyl (base)	Mouse	or	LD_{50}	182.2±12.8
		Mouse	iv	LD_{50}	19.85±0.69
		Mouse	ip	LD_{50}	77
		Rat	sc	LD_{50}*	150
		Guinea pig	or	LD_{50}	374.9±34.5
1038	Histamine	Frog	sc	LD	2000-2300
		Mouse	sc	LD_{100}	2300-2700
		Mouse	ip	LD_{50}	12,930
		Guinea pig	or	LD	200-400
		Guinea pig	sc	LD	3.5-10.0
		Guinea pig	iv	LD_{50}	0.18±0.007
		Guinea pig	iv	LD	0.5-0.75
		Guinea pig	ip	LD	12-54
		Guinea pig	ic	MLD	0.5
		Rabbit	sc	LD	12-15
		Rabbit	iv	LD*	0.1
		Rabbit	iv	LD	0.6
		Monkey	iv	LD	50
1039	Homatropine methylbromide	Mouse	or	LD_{50}	1400
		Mouse	sc	LD_{50}	650
		Mouse	ip	LD_{50}	60
		Rat	or	LD_{50}	1200
		Rat	sc	LD_{50}	800
		Rat	ip	LD_{50}	82
		Guinea pig	or	LD_{50}	1000
		Guinea pig	ip	LD_{50}	120
1040	Hordenine sulfate	Rat	sc	LD*	1000
		Guinea pig	sc	LD	2000
		Guinea pig	iv	LD	300
		Rabbit	iv	LD	250-300
		Dog	or	LD	2000
		Dog	iv	LD	250-300

/1/5% solution in oil. /2/1% emulsion /3/25% emulsion. /4/25% solution in oil.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
11,300-13,500			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	1030
			Ibid	
27,800-34,400			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	1031
3.6-10.0 cc			Ibid	
			Berger, Arch. int. pharmacod. 85:474, 1951.	
			Marsh, J. Pharm. Exp. Ther. 103:325, 1951.	1033
	Olive oil		Broom, Brit. J. Exp. Path. 12:327, 1931.	1034
	H_2O		Ibid	
	Olive oil		Ibid	
			Lamson, J. Pharm. Exp. Ther. 53:198, 1935.	
	H_2O		Broom, Brit. J. Exp. Path. 12:327, 1931.	
	Oil		Anderson, Proc. Soc. Exp. Biol. Med. 28:609, 1931.	
			Alles, Univ. Cal. Publ. Pharmacol. 1:187, 1939.	1035
3098-3306			Smith, J. Pharm. Exp. Ther. 107:403, 1953.	1036
670-886			Ibid	
			Lee, Proc. Soc. Exp. Biol. Med. 80:458, 1952.	1037
			Ibid	
94-108			Castillo, J. Pharm. Exp. Ther. 96:388, 1949.	
			Halpern, C. rend. Soc. biol. 144:887, 1940.	
			Lee, Proc. Soc. Exp. Biol. Med. 80:458, 1952.	
		2 da	Fühner, Arch. exp. Path. Pharm. 166:455, 1932.	1038
		7-8 hr	Ibid	
			Alles, J. Pharm. Exp. Ther. 76:386, 1943.	
			Parrot, 17th Int. Physiol. Congr. p378, 1947.	
			Schmidt, Zschr. Immunitätsforsch. 60:222, 1929.	
			Lands, J. Pharm. Exp. Ther. 95:45, 1949.	
			Flury, Abderhalden's Hdb. 4.7b:1354.	
			Schmidt, Zschr. Immunitätsforsch. 60:222, 1929.	
			Landau, Bull. Johns Hopkins Hosp. 83:330, 1948.	
			Schmidt, Zschr. Immunitätsforsch. 60:222, 1929.	
			Flury, Abderhalden's Hdb. 4.7b: 1354.	
			Oehme, Arch. exp. Path. Pharm. 72:76, 1913.	
			Flury, Abderhalden's Hdb. 4.7b: 1354.	
1180-1680			Cahen, J. Pharm. Exp. Ther. 105:166, 1952.	1039
520-800			Ibid	
51-75			Ibid	
1050-1400			Ibid	
620-1040			Ibid	
75-91			Ibid	
920-1090			Ibid	
85-170			Ibid	
			Camus, C. rend. Acad. sc. 142:110, 1906.	1040
			Ibid	
			Ibid	
		10 min	Flury, Abderhalden's Hdb. 4.7b: 1356.	
			Ibid	
		10 min	Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1041	Hyamine 1622	Rat	or	LD_{50}	420±25
		Rat	ip	LD_{50}	33.1±2.5
		Rat	iv	LD_{50}	19.1±0.8
1042	Hyamine 2389	Rat	or	LD_{50}	325
		Rat	or	LD_{50}	389±28
		Rat	ip	LD_{50}	7.9
		Rat	ip	LD_{50}	10.23±1.0
		Rat	iv	LD_{50}	1.9
		Rat	iv	LD_{50}	3.06±0.13
1043	Hydrastine	Frog	sc	LD	264-400
		Rabbit	sc	LD	>100-175
		Dog	sc	LD	>100-175
1044	Hydrastinine HCl	Rat	sc	LD	1000
		Rabbit	sc	LD	300-500
		Dog	sc	LD	250-300
1045	Hydrazine	Mouse	ip	LD_{50}	163
		Rat	ip	LD_{50}	102
		Rabbit	ct	LD_{50}	91
		Rabbit	iv	LD_{50}	34
1046	Hydrazine hydrate	Mouse	ip	LD_{50}	163
		Rabbit	iv	LD_{50}	20-25
1047	Hydrazine sulfate	Guinea pig	sc	LD	200-300
		Rabbit	sc	LD	100
		Rabbit	sc	LD	200-300
		Dog	sc	LD	100
1048	1-Hydrazinophthalazine	Mouse	ip	LD_{50}	83±6
1049	Hydroacrylic acid-β-phenylethyl ester	Mouse	or	LD_{50}	4.6 cc
		Rat	or	LD_{50}	7.8 cc
1050	Hydrocyanic acid	Frog	sc	LD	60
		Mouse	sc	LD	5
		Mouse	sc	LD	3-10
		Mouse	ip	LD	3-10
		Guinea pig	sc	LD	0.1
		Rabbit	or	LD	4
		Rabbit	sc	LD	1.1-3.0
		Rabbit	iv	LD	0.1-0.33
		Cat	sc	LD	1.1
		Bird	sc	LD	0.1
1051	Hydrogen peroxide	Rat	ct	LD_{50}*	700
		Rat	iv	LD_{50}*	21
1052	Hydroquinone	Frog	sc	LD	190-200
		Mouse	or	LD_{50}*	400[1]
		Mouse	sc	LD	160-170
	(continued on next page)	Rat	or	LD_{50}*	320[1]

/1/ 2% aqueous solution.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Finnegan, J. Pharm. Exp. Ther. 109:422, 1953.	1041
			Ibid	
			Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 18:43, 1954.	1042
			Finnegan, J. Pharm. Exp. Ther. 109:422, 1953.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 18:43, 1954.	
			Finnegan, J. Pharm. Exp. Ther. 109:422, 1953.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 18:43, 1954.	
			Finnegan, J. Pharm. Exp. Ther. 109:422, 1953.	
			Flury, Abderhalden's Hdb. 4. 7b:1356.	1043
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1355.	1044
			Ibid	
			Ibid	
			Krop, Arch. Ind. Hyg. Occ. Med. 9:199, 1954.	1045
			Ibid	
			Ibid	
			Ibid	
			Thienes, North Am. Aviation Rpt. AL731, 1948.	1046
			Kunkel, Chem. Corps Med. Lab. Rpt. 83, 1951.	
		2 hr	Flury, Abderhalden's Hdb. 4. 7b:1355.	1047
			Trendelenburg, Heffter's Hdb. 1. 1:514.	
		2 hr	Flury, Abderhalden's Hdb. 4. 7b:1356.	
			Trendelenburg, Heffter's Hdb. 1. 1:514.	
			Walker, J. Pharm. Exp. Ther. 101:369, 1951.	1048
			Div. Pharm. F. & D. Adm. Q. Rpt., June 1946.	1049
			Div. Pharm. F. & D. Adm. Q. Rpt., Sept. 1946.	
			Flury, Abderhalden's Hdb. 4. 7b:1340.	1050
		10 min	Hunt, Arch. int. pharmacod. 12:447, 1904.	
			Flury, Abderhalden's Hdb. 4. 7b: 1340.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Krachon, Health Haz. Mil. Chem. No. 4, Feb. 1950.	1051
			Ibid	
		6-7 hr	Fühner, Arch. exp. Path. Pharm. 166:437, 1932.	1052
	H_2O	Few hr	Woodard, Fed. Proc. 8:348, 1949.	
			Fühner, Arch. exp. Path. Pharm. 166:437, 1932.	
	H_2O	Few hr	Woodard, Fed. Proc. 8: 348, 1949.	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1052	Hydroquinone (concluded)	Rat	sc	LD	300-350
		Rat	iv	LD$_{50}$*	115[1]
		Guinea pig	or	LD$_{50}$*	550[1]
		Guinea pig	sc	LD	300
		Guinea pig	ip	LD	200
		Rabbit	or	LD	550
		Cat	or	LD	60-100
		Cat	or	LD$_{50}$*	70
		Cat	sc	LD	50
		Dog	or	LD$_{50}$	200[1]
		Dog	iv	LD	80-100
		Pigeon	or	LD$_{50}$*	300[1]
1053	Hydroxyacetic acid	Cat	or	LD	500
		Cat	iv	LD	1000
1054	4-Hydroxy-2-aminobenzothiazole	Mouse	iv	LD$_{50}$*	160
1055	6-Hydroxy-2-aminobenzothiazole	Mouse	iv	LD$_{50}$*	300
1056	m-Hydroxybenzoic acid	Guinea pig	ip	LD	2800
1057	p-Hydroxybenzoic acid	Guinea pig	ip	LD	3000
1058	(2-Hydroxybenzyl)trimethyl-ammonium bromide	Mouse	iv	LD$_{50}$	5.8±0.5
1059	3-Hydroxycinchoninic acid	Mouse	sc	LD	1600
1060	4-Hydroxycoumarin	Mouse	ip	LD$_{50}$	2000
1061	(2-Hydroxy-3,5-dimethylphenyl)-trimethylammonium bromide	Mouse	iv	LD$_{50}$	5.0±0.3
1062	m-Hydroxyephedrine	Rabbit	iv	LD	50-60
1063	o-Hydroxyephedrine	Rabbit	iv	LD	50-60
1064	p-Hydroxyephedrine	Rabbit	iv	LD	150
1065	Hydroxyethylapocupreine	Mouse	or	LD$_{50}$	2200[3]
		Mouse	or	LD$_{50}$	3000[4]
		Mouse	ip	LD$_{50}$	460[3]
1066	N-Hydroxyethylethyleneimine	Rat	or	LD$_{50}$	74
		Rabbit	ct	LD$_{50}$	280
1067	Hydroxyethylpropylenediamine	Rat	or	LD$_{50}$	4920
		Rabbit	ct	LD$_{50}$	10,000
1068	Hydroxylamine	Rabbit	sc	LD	25
		Dog	or	LD	200-300
		Dog	iv	LD	60
1069	Hydroxylamine HCl	Mouse♂		LD$_{50}$	408
		Mouse♀		LD$_{50}$	419

/1/ 2% aqueous solution. /2/ Bovet and Bovet-Nitti, "Médicaments du Systême Nerveux

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	1052
	H_2O	Few hr	Woodard, Fed. Proc. 8:348, 1949.	
	H_2O	Few hr	Ibid	
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	
			Chassevant, Arch. int. pharmacod. 14:93, 1905.	
	Milk		Brieger, Dubois' Arch. f. Physiol. 3:61, 1879.	
		1-11 da	Oettel, Arch. exp. Path. Pharm. 183:319, 1936.	
			Woodard, Fed. Proc. 8:348, 1949.	
			Oettel, Arch. exp. Path. Pharm. 183:319, 1936.	
	H_2O	Few hr	Woodard, Fed. Proc. 8:348, 1949.	
			Gibbs, Dubois' Arch. f. Physiol. p344, 1890.	
	H_2O	Few hr	Woodard, Fed. Proc. 8:348, 1949.	
		5-21 da	Riker, J. Am. Pharm. Assoc. 31:306, 1942.	1053
		2-4 da	Ibid	
			Domino, J. Pharm. Exp. Ther. 105:486, 1952	1054
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	1055
			Chassevant, Arch. int. pharmacod. 14:93, 1905.	1056
			Chassevant, Arch. int. pharmacod. 14:93, 1905.	1057
			Randall, J. Pharm. Exp. Ther. 100:83, 1950.	1058
			Blanchard, Bull. Johns Hopkins Hosp. 88:181, 1951	1059
			Brodersen, Acta pharm. tox. 2:109, 1951.	1060
			Randall, J. Pharm. Exp. Ther. 100:83, 1950.	1061
			Bovet & Bovet-Nitti,[2] p103.	1062
			Bovet & Bovet-Nitti,[2] p103.	1063
			Bovet & Bovet-Nitti,[2] p103.	1064
			Bracken, J. Pharm. Exp. Ther. 68:259, 1940.	1065
			Ibid	
			Carlson, J. Am. Pharm. Assoc. 40:471, 1951.	
64-87			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	1066
			Ibid	
3750-6460			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	1067
			Ibid	
			Leber, Dissert., Erlanger 1888.	1068
			Gibbs, Dubois' Arch. f. Physiol. 17:201, 1893.	
			Ibid	
			Reiman, Acta pharm. tox. 6:285, 1950.	1069
			Ibid	

Végétatif," New York: S. Karger, 1948. /3/ Dihydrochloride. /4/ Base.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1070	o-(N-γ-Hydroxymercuri-β-hydroxyethoxypropylcarbamyl)-phenoxyacetic acid	Mouse	im	LD_{50}	117.9±8.1
		Mouse	iv	LD_{50}	112.9±10.8
		Rat	im	LD_{50}	34.8±4.4
		Rat	iv	LD_{50}	32.2±2.8
		Rabbit	im	LD_{50}	26.2±4.1
1071	(3-Hydroxy-4-methylphenyl)-trimethylammonium bromide	Mouse	or	LD_{50}	350±39
		Mouse	sc	LD_{50}	185±20
		Mouse	iv	LD_{50}	2.0±0.2
1072	(3-Hydroxyphenyl)benzyl-dimethylammonium bromide	Mouse	iv	LD_{50}	8.0±0.4
1073	3-Hydroxy-2-phenylcinchoninic acid	Mouse	im	LD_{50}*	400
1074	(3-Hydroxyphenyl)diethylmethyl-ammonium bromide	Mouse	or	LD_{50}	690±117
		Mouse	sc	LD_{50}	61±15
		Mouse	ip	LD_{50}	26.0±2.3
		Mouse	iv	LD_{50}	10.0±0.4
		Rat	iv	LD_{50}	27±6
		Dog	iv	LD_{50}	20±5
1075	(3-Hydroxyphenyl)dimethylethyl-ammonium bromide	Mouse	or	LD_{50}	600±126
		Mouse	sc	LD_{50}	130±4
		Mouse	ip	LD_{50}	37.0±2.6
		Mouse	iv	LD_{50}	9±1
		Rabbit	iv	LD_{50}	28.5±7.0
		Dog	iv	LD_{50}	15±1
1076	N,N'-(5-Hydroxy-1,3-phenylene)-di(trimethylammonium)dichloride	Mouse	iv	LD_{50}	9.4±0.9
1077	(3-Hydroxyphenyl)isopropyl-dimethylammonium iodide	Mouse	iv	LD_{50}	6.2±0.9
1078	β-m-Hydroxyphenylpropanolamine	Rabbit	iv	LD	16
1079	β-o-Hydroxyphenylpropanolamine	Rabbit	iv	LD	40
1080	β-p-Hydroxyphenylpropanolamine	Rabbit	iv	LD	125
1081	(3-Hydroxyphenyl)triethyl-ammonium bromide	Mouse	iv	LD_{50}	8.7±0.5
1082	(2-Hydroxyphenyl)trimethyl-ammonium bromide	Mouse	sc	LD_{50}	22±1
1083	(3-Hydroxyphenyl)trimethyl-ammonium bromide	Mouse	or	LD_{50}	480±96
		Mouse	sc	LD_{50}	81.0±11.3
		Mouse	iv	LD_{50}	2.5±0.05
		Dog	iv	LD_{50}	10
1084	(4-Hydroxyphenyl)trimethyl-ammonium bromide	Mouse	iv	LD_{50}	2.7±0.2
1085	(3-Hydroxyphenyl)trimethylammonium-methylsulfate-benzylcarbamate	Mouse	iv	LD	0.1

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Robbins, J. Am. Pharm. Assoc. 40:249, 1951. Ibid Ibid Ibid Ibid	1070
			Randall, J. Pharm. Exp. Ther. 100:83, 1950. Ibid Ibid	1071
			Randall, J. Pharm. Exp. Ther. 100:83, 1950.	1072
			Blanchard, Bull. Johns Hopkins Hosp. 88:181, 1951.	1073
			Randall, J. Pharm. Exp. Ther. 100:83, 1950. Ibid Ibid Ibid Ibid Ibid	1074
			Randall, J. Pharm. Exp. Ther. 100:83, 1950. Ibid Ibid Ibid Ibid Ibid	1075
			Randall, J. Pharm. Exp. Ther. 100:83, 1950.	1076
			Randall, J. Pharm. Exp. Ther. 100:83, 1950.	1077
			Hartung, J. Am. Chem. Soc. 53:4149, 1931.	1078
			Hartung, J. Am. Chem. Soc. 53:4149, 1931.	1079
			Hartung, J. Am. Chem. Soc. 53:4149, 1931.	1080
			Randall, J. Pharm. Exp. Ther. 100:83, 1950.	1081
			Randall, J. Pharm. Exp. Ther. 100:83, 1950.	1082
			Randall, J. Pharm. Exp. Ther. 99:16, 1950. Ibid Ibid Ibid	1083
			Randall, J. Pharm. Exp. Ther. 100:83, 1950.	1084
			Aeschlimann, J. Pharm. Exp. Ther. 43:413, 1931.	1085

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1086	(3-Hydroxyphenyl)trimethylammonium-methylsulfatecarbamate	Mouse	iv	LD	0.7
1087	(3-Hydroxyphenyl)trimethylammonium-methylsulfatediethylcarbamate	Mouse	iv	LD	8
1088	(3-Hydroxyphenyl)trimethylammonium-methylsulfatedipropenylcarbamate	Mouse	iv	LD	10
1089	(3-Hydroxyphenyl)trimethylammonium-methylsulfateethylcarbamate	Mouse	iv	LD	1
1090	(3-Hydroxyphenyl)trimethylammonium-methylsulfatemethylcarbamate	Mouse	iv	LD	0.1
1091	(3-Hydroxyphenyl)trimethylammonium-methylsulfatemethylphenylcarbamate	Mouse	iv	LD	3.5
1092	(3-Hydroxyphenyl)trimethylammonium-methylsulfatepentylcarbamate	Mouse	iv	LD	6
1093	(3-Hydroxyphenyl)trimethylammonium-methylsulfatephenylcarbamate	Mouse	iv	LD	2-6
1094	(3-Hydroxyphenyl)trimethylammonium-methylsulfatepropenylcarbamate	Mouse	iv	LD	0.75
1095	m-Hydroxyprocaine	Mouse	ip	LD$_{50}$	220
		Rat	ip	LD$_{50}$	240
		Rabbit	ip	MLD	72
1096	8-Hydroxyquinoline	Guinea pig	or	LD$_{20}$	1200
1097	Hydroxystreptomycin	Mouse	sc	LD$_{50}$	865
1098	Ilotycin (base)	Mouse	or	LD$_{50}$	3112±211
		Mouse	sc	LD$_{50}$	>2500
		Rat	or	LD$_{50}$	>3000
		Rat	sc	LD$_{50}$	>2000
		Guinea pig	ip	LD$_{50}$	413.4±51.7
		Hamster	or	LD$_{50}$	3018±190
1099	β-(Imidazolyl-[4])-b-methylethylamine	Mouse	ip	LD$_{50}$	1000
		Guinea pig	ip	LD$_{50}$	200
1100	Impletol[1]	Mouse	sc	LD$_{50}$	270
1101	Indalone	Mouse	or	LD$_{50}$	11.6 cc
		Rat	or	LD$_{50}$	7.4 cc
		Guinea pig	or	LD$_{50}$	3.2 cc
		Rabbit	or	LD$_{50}$	5.4 cc
		Chicken	or	LD$_{50}$	15.0 cc
1102	Indium chloride	Mouse	sc	MLD	60
		Rat	sc	MLD	10.2
		Rabbit	sc	MLD	2.35
		Rabbit	iv	MLD	0.64

/1/ Procaine-caffeine. /2/ Buffered with citrate.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Aeschlimann, J. Pharm. Exp. Ther. 43:413, 1931.	1086
			Aeschlimann, J. Pharm. Exp. Ther. 43:413, 1931.	1087
			Aeschlimann, J. Pharm. Exp. Ther. 43:413, 1931.	1088
			Aeschlimann, J. Pharm. Exp. Ther. 43:413, 1931.	1089
			Aeschlimann, J. Pharm. Exp. Ther. 43:413, 1931.	1090
			Aeschlimann, J. Pharm. Exp. Ther. 43:413, 1931.	1091
			Aeschlimann, J. Pharm. Exp. Ther. 43:413, 1931.	1092
			Aeschlimann, J. Pharm. Exp. Ther. 43:413, 1931.	1093
			Aeschlimann, J. Pharm. Exp. Ther. 43:413, 1931.	1094
			Burgison, Fed. Proc. 10:284, 1951. Ibid Ibid	1095
			Anderson, Proc. Soc. Exp. Biol. Med. 28:284, 1931.	1096
			Ambrose, Proc. Soc. Exp. Biol. Med. 76:466, 1951.	1097
			Anderson, J. Am. Pharm. Assoc. 41:55, 1952. Ibid Ibid Ibid Ibid Ibid	1098
			Alles, J. Pharm. Exp. Ther. 76:386, 1943. Ibid	1099
250-290			Soehring, Arzneimittelforsch. 1:28, 1951.	1100
			Draize, J. Pharm. Exp. Ther. 93:26, 1948. Ibid Ibid Ibid Ibid	1101
	H_2O^2	Delayed 4 da 6-7 da 10 da	Von Oettingen, Proc. Soc. Exp. Biol. Med. 29:1188, 1932. McCord, J. Ind. Hyg. Tox. 24:243, 1942. Ibid Ibid	1102

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1103	Indium sulfate	Frog	sc	MLD	600-800
		Rat	sc	MLD	12.5[1]
		Rat	sc	MLD	150
		Rabbit	or	MLD	1300-2000
		Rabbit	sc	LD	2.6
		Rabbit	iv	MLD	0.67
1104	Indole	Frog	sc	MLD	300
		Dog	iv	LD	60
1105	Insulin	Frog	sc	LD	1000[3]
1106	Intocostrin	Mouse	sc	LD_{50}	0.67±0.05[4]
		Mouse	sc	LD_{50}	0.38±0.30[5]
1107	Iodeikon	Mouse	iv	LD_{50}	270-370
		Rabbit	or	LD	4350
		Rabbit	iv	LD	470
		Dog	iv	LD	270
1108	Iodine	Rabbit	sc	MLD	175-180
		Dog	iv	LD	40
1109	Iodine phosphide	Rabbit	or	LD*	6.8
1110	Iodoacetamide	Mouse	sc	LD_{50}	42±1
1111	Iodoacetic acid	Rat	or	LD_{50}	116±13
		Rat	ip	MLD	30-50
1112	Iodofluorotyrosine	Mouse	sc	LD	57
1113	Iodoform	Rabbit	or	LD	440-490
		Rabbit	or	LD	910
		Rabbit	sc	LD	170
		Rabbit	sc	LD	830
		Cat	or	LD	7500
1114	o-Iodophenol	Rat	sc	LD	4000
1115	Ionol	Rat ?	ip	LD_{50}	8000
1116	Iopax	Rat	iv	LD	8000
		Rabbit	iv	LD	9000
1117	Ipral	Mouse	ip	LD	250
		Rat	sc	LD	310
		Rat	ip	LD	110
		Rabbit	or	LD	160
		Rabbit	ip	LD	110
		Rabbit	iv	LD	140
		Cat	or	LD	140
1118	Irgapyrin	Mouse	iv	LD_{50}	155
		Rat	ip	LD_{50}	290
1119	Isoamidone I	Mouse	sc	LD_{50}	90

/1/ Calculated as indium metal. /2/ Buffered with citrate. /3/ Units per kilo. /4/ At 23°-

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Steidle, Arch. exp. Path. Pharm. 173:458, 1933.	1103
	H_2O^2	10 da	McCord, J. Ind. Hyg. Tox. 24:293, 1942.	
		4-10 da	Steidle, Arch. exp. Path. Pharm. 173:458, 1933.	
		5-12 da	Ibid	
		5 da	McCord, J. Ind. Hyg. Tox. 24:293, 1942.	
		4 da	Ibid	
			Bin-Ichi, Tohoku J. E. M. 25:407, 1935.	1104
			Ets, Am. J. Physiol. 136:647, 1942.	
			Barlow, J. Pharm. Exp. Ther. 41:229, 1931.	1105
			Streicher, Proc. Soc. Exp. Biol. Med. 86:536, 1951.	1106
			Ibid	
			Barba-Gon, Q. J. Pharm. Pharmacol. 2:396, 1929.	1107
			Greenbaum, J. Pharm. Exp. Ther. 30:407, 1927.	
			Ibid	
			Graham, J. Am. Med. Assoc. 84:1175, 1925.	
			Myers, Proc.Soc.Exp.Biol.Med. 25:784, 1928.	1108
			Flury, Abderhalden's Hdb. 4.7b:1359.	
		70 min	Santeson, Skand. Arch. Physiol. 15:420, 1909.	1109
		48 hr	Beck, Proc.Soc.Exp.Biol. Med. 78:382, 1951.	1110
			Lundquist, J. Dent. Res. 30:203, 1951.	1111
			Hall, Proc. Soc. Exp. Biol. Med. 29:360, 1932.	
			Euler, Arch. exp. Path. Pharm. 206:75, 1949.	1112
	Oil	24 hr	Mulzer, Zschr. exp. Path. 1:446, 1905.	1113
	Oil	1½ hr	Ibid	
	Oil	5 da	Flury, Abderhalden's Hdb. 4.7b:1359.	
	Oil	4 da	Ibid	
	Oil	24 hr	Ibid	
			Binet, Rev. méd. Suisse rom. 16:449, 1896.	1114
			Mallette, Arch. Ind. Hyg. Occ. Med. 5:311, 1952.	1115
			Binz, Biochem. Zschr. 227:200, 1930.	1116
			Benassi, Arch. ital. urol. 7:5, 1931.	
			Kochmann, Heffter's Hdb. E. 2:147.	1117
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Launoy, J. physiol. path. gén. 30:364, 1932.	
			Kochmann, Heffter's Hdb. E. 2:147.	
		48 hr	Hazleton, J. Pharm. Exp. Ther. 109:387, 1953.	1118
		24 hr	Ibid	
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	1119

25° C. /5/ At 4° C.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1120	Isoamyl alcohol	Mouse	sc	LD	7480
		Rat	ip	LD	813
		Rabbit	iv	MLD	1570
		Cat	iv	LD	211
1121	N-Isobutyladrenaline	Mouse	sc	LD	200
1122	Isobutyl alcohol	Rat	or	LD_{50}	2460
		Rabbit	ct	LD_{50}	4.24 cc
1123	Isobutyraldehyde	Rat	or	LD_{50}	3730
		Rabbit	ct	LD_{50}	7.13 cc
1124	Isocaine	Mouse	sc	LD	400
		Rat	sc	LD	700
		Rabbit	sc	LD	300
		Cat	sc	LD	200
1125	Isocyclex	Rat ?	ip	LD_{50}	250
1126	Isodehydroacetic acid	Mouse	ip	LD_{50}	>3000
1127	Isodiphenylethanolamine-N-ethyldiethyleneamine HCl	Mouse	sc	LD^*	400
1128	Isodiphenylethanolamine HCl	Mouse	sc	LD^*	300
1129	Iso-1-hexyldioxaspirane	Mouse	ip	LD_{50}	853.6±128.8
1130	Iso-2-hexyldioxaspirane	Mouse	ip	LD_{50}	2.7±0.2
1131	DL-Isomethadone	Mouse	ip	LD_{50}	60
1132	L-Isomethadone	Mouse	sc	LD_{50}	21
1133	Isomonomethylnicotinium iodide	Mouse	ip	LD	370
		Rabbit	iv	LD^*	100
1134	Isonicotinaldehyde semicarbazone	Mouse	or	LD_{50}	931
1135	Isonicotinyl hydrazide	Mouse	or	LD_{50}	205
		Mouse	ip	LD_{50}	159
		Mouse	iv	LD_{50}	150
		Rat	or	LD_{50}	650
		Rat	ip	LD_{50}	380
		Guinea pig	or	LD_{50}	280
		Guinea pig	ip	LD_{50}	200
1136	Isopral	Frog	sc	LD	673
		Rat	or	LD	1000
		Rabbit	or	LD	900
		Cat	or	LD	400
		Dog	or	LD	600
1137	3-Isopropoxy-1, 2-propanediol	Mouse	or	LD_{50}	8.2±0.14 cc
1138	Isopropyl acetate	Rat	or	LD_{50}	3000
1139	N-Isopropyladrenaline	Mouse	sc	LD	60
1140	Isopropyl alcohol (continued on next page)	Mouse	or	LD	4970

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Starrek, Dissert., Würzburg 1938. Lendle, Arch. exp. Path. Pharm. 132:214, 1928. Lehman, J. Pharm. Exp. Ther. 61:103, 1937. Macht, J. Pharm. Exp. Ther. 16:1, 1921.	1120
			Konzett, Klin Wschr. 19:1303, 1940.	1121
1600-3780 2.52-7.12 cc			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954. Ibid	1122
2680-5210			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954. Ibid	1123
			Schmitz, J. Pharm. Exp. Ther. 24:167, 1925. Ibid Ibid Ibid	1124
			Mallette, Arch. Ind. Hyg. Occ. Med. 5:311, 1952.	1125
			Brodersen, Acta pharm. tox. 2:109, 1946.	1126
			Mercier, J. physiol., Par. 42:675, 1950.	1127
			Mercier, J. physiol., Par. 42:675, 1950.	1128
			Berger, Arch. int. pharmacod. 85:474, 1951.	1129
			Berger, Arch. int. pharmacod. 85:474, 1951.	1130
			Winter, J. Pharm. Exp. Ther. 98:305, 1950.	1131
			Winter, J. Pharm. Exp. Ther. 98:305, 1950.	1132
			Larson, J. Pharm. Exp. Ther. 77:343, 1943. Ibid	1133
			Grunberg, Proc. Soc. Exp. Biol. Med. 77:47, 1951.	1134
			Reinhard, Science 116:166, 1952. Ibid Ibid Ibid Ibid Ibid Ibid	1135
			Kochmann, Heffter's Hdb. 3.1:418. Burtner, J. Pharm. Exp. Ther. 63:183, 1938. Kochmann, Heffter's Hdb. 3.1:418. Impens, Therap. Monatsh. 17:419, 1903. Ibid	1136
		10 da	Hine, Arch. Ind. Hyg. Occ. Med. 2:579, 1950.	1137
			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	1138
			Konzett, Arch. Path. 197:27, 41, 1940.	1139
			Boruttau, Deut. med. Wschr. 47:747, 1921.	1140

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1140	Isopropyl alcohol (concluded)	Mouse	sc	LD	6000
		Rat	or	LD_{50}	5840
		Rabbit	or	LD*	5000
		Rabbit	ct	LD_{50}	16.4 cc
		Cat	iv	LD	1962.5
1141	Isopropylamine	Rat	or	LD_{50}	820
		Rabbit	ct	LD_{50}	550
1142	Isopropylbenzazepine	Mouse	ip	LD_{50}	136±9.5
		Mouse	iv	LD_{50}	23±3.0
1143	Isopropyl benzoate	Rat	or	LD_{50}	3730
		Rabbit	ct	LD_{50}	20,000
1144	Isopropyl-bis-(β-chloroethyl)amine	Mouse	or	LD_{50}	22
		Mouse	sc	LD_{50}	1.1
		Rat	iv	LD_{50}	0.5
		Rabbit	iv	LD_{50}*	2.0
1145	2-Isopropyl-2-butyl-4-hydroxymethyl-1,3-dioxolane	Mouse	ip	LD_{50}	709.02±139.38
1146	Isopropylcinnamate	Guinea pig	or	LD_{50}	2.7 cc
1147	α-Isopropylglyceryl ether	Mouse	or	LD_{50}	8200±135
1148	2-Isopropyl-5-methylphenoxyethylbenzyl-β-chloroethylamine	Mouse	sc	LD_{50}*	100
1149	2-Isopropylphenoxyethylbenzyl-β-chloroethylamine	Mouse	sc	LD_{50}	>1000
1150	2-Isopropylphenoxyethylethyl-β-chloroethylamine	Mouse	sc	LD_{50}*	35
1151	2-Isopropylphenoxyisopropylbenzyl-β-chloroethylamine	Mouse	sc	LD_{50}	1000
1152	p-Isopropylphenylethyl alcohol	Mouse	or	LD_{50}	3.9 cc
		Rat	or	LD_{50}	1.8 cc
1153	Isopropyl tartrate	Mouse	or	LD_{50}	6.3 cc
1154	Isoquinoline	Rat	or	LD_{50}	350
		Rabbit	ct	LD_{50}	590
1155	Isothan Q-15	Rat	or	LD_{50}	230
		Guinea pig	or	LD_{50}	200
1156	Jervine	Mouse	iv	LD_{50}	9.3
1157	Kerosene	Guinea pig	or	LD_{50}*	20,380
		Rabbit	or	LD_{50}*	28,350
		Rabbit	ip	LD_{50}*	6600
		Rabbit	iv	LD_{50}*	180
1158	4-Ketoamyltrimethylammonium iodide	Mouse	sc	LD_{50}	13.5±2.4
1159	3-Ketobutyltrimethylammonium iodide	Mouse	sc	LD_{50}	>170

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Starrek, Dissert., Würzburg 1938. Smyth, J. Ind. Hyg. Tox. 30:63, 1948. Weese, Arch. exp. Path. Pharm. 135:118, 1928. Smyth, J. Ind. Hyg. Tox. 30:63, 1948. Macht, J. Pharm. Exp. Ther. 16:1, 1921.	1140
670-1070 300-1020			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951. Ibid	1141
			Randall, J. Pharm. Exp. Ther. 103:10, 1951. Ibid	1142
2430-5730			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951. Ibid	1143
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947. Ibid Ibid Ibid	1144
			Berger, Arch. int. pharmacod. 85:474, 1951.	1145
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	1146
			Loeb, Fed. Proc. 8:316, 1949.	1147
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:378, 1951.	1148
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:378, 1951.	1149
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:378, 1951.	1150
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:378, 1951.	1151
			Draize, J. Pharm. Exp. Ther. 93:26, 1948. Ibid	1152
			Div. Pharm. F. & D. Adm. Q. Rpt., April 1946.	1153
380-910			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951. Ibid	1154
			Lehman, Q. Bull. Assoc. F. & D. Off. 18:43, 1954. Ibid	1155
			Krayer, J. Pharm. Exp. Ther. 82:167, 1944.	1156
			Deichmann, Ann. Int. M. 21:803, 1944. Ibid Ibid Ibid	1157
		2 hr	Edwards, J. Pharm. Exp. Ther. 103:196, 1951.	1158
		2 hr	Edwards, J. Pharm. Exp. Ther. 103:196, 1951.	1159

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1160	Krysolgan	Rat	sc	LD	50
		Rat	iv	LD	3
		Rabbit	iv	LD	150
		Rabbit	iv	LD	30
1161	Lactic acid	Rat	or	LD_{50}	3730
		Guinea pig	or	LD_{50}	1810
1162	Lactose	Rabbit	iv	LD	1500
1163	Lanadigin	Frog	sc	LD	1.6
		Rat	sc	LD	4.5
		Rat	iv	MLD	40.5[1]
		Rat	iv	MLD	25[2]
		Rabbit	sc	LD	1.3
1164	Lanthanum acetate	Rat	or	LD_{50}	10,000
		Rat	ip	LD_{50}	475
1165	Lanthanum ammonium nitrate	Rat	or	LD_{50}	3400
		Rat	ip	LD_{50}	625
1166	Lanthanum chloride	Mouse	sc	LD	3500
		Rat	or	LD_{50}	4200
		Rat	ip	LD_{50}	350
		Rabbit	iv	LD	200-250
1167	Lanthanum nitrate	Rat	or	LD_{50}	4500
		Rat	ip	LD_{50}	450
1168	Lanthanum oxide	Rat	or	LD_{50}	>10,000[3]
1169	Lanthanum sulfate	Rat	or	LD_{50}	>5000[3]
		Rat	ip	LD_{50}	275[3]
1170	Larocaine	Frog	sc	LD	860
		Mouse	sc	LD	380
		Mouse	sc	LD	300
		Mouse	iv	LD	40
		Mouse	iv	LD	50
		Guinea pig	sc	LD	200
		Rabbit	sc	LD	150
		Rabbit	iv	LD	15
1171	Lauryldiethylenetriamine	Rat	or	MLD*	350
		Rabbit	or	MLD*	400
		Rabbit	iv	MLD*	10
1172	Lead	Rat	ip	LD	>1000[4]
		Guinea pig	ip	LD_{33}	100
		Guinea pig	ip	LD_{25}	200
		Pigeon	or	LD	160

/1/ Given by slow injection. /2/ Given by rapid injection. /3/ Suspension in H_2O. /4/ Parti-

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
		Sev da	Schlossmann, Hefter's Hdb. 3. 3:2135.	1160
		7 da	Ibid	
		Rapid	Ibid	
		Sev da	Ibid	
3020-4610			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	1161
1690-1930			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1422.	1162
		24 hr	Samaan, Q. J. Pharm. Pharmacol. 7:192, 1934.	1163
		Rapid	Merz, Arch. exp. Path. Pharm. 156:277, 1930.	
			Heubner, Arch. exp. Path. Pharm. 177:60, 1934.	
			Ibid	
		2 hr	Samaan, Q. J. Pharm. Pharmacol. 7:192, 1934.	
	H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	1164
	H_2O		Ibid	
	H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	1165
	H_2O		Ibid	
			Vincke, Arch. exp. Path. Pharm. 188:465, 1938.	1166
	H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	
	H_2O		Ibid	
	H_2O		Ibid	
	H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	1167
	H_2O		Ibid	
	H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	1168
	H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	1169
	H_2O		Ibid	
			Gessner, Arch. exp. Path. Pharm. 168:447, 1932.	1170
			Ibid	
			Fromherz, Arch. exp. Path. Pharm. 158:368, 1930.	
			Ibid	
			Gessner, Arch. exp. Path. Pharm. 168:447, 1932.	
			Dietrichs, Arch. exp. Path. Pharm. 161:206, 1931.	
			Fromherz, Arch. exp. Path. Pharm. 158:368, 1930.	
			Ibid	
			Deichmann, J. Ind. Hyg. Tox. 22:488, 1940.	1171
			Ibid	
			Ibid	
			Bradley, Indust. Med. 2:15, 1941.	1172
		4 mo	Fairhall, Pub. Health Bull. 253, 1940.	
		4 mo	Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1314.	

cle size = 325 mesh.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1173	Lead acetate	Frog	sc	LD	1600
		Rat	ip	LD	130
		Rat	ip	LD_{50}	150
		Rabbit	sc	LD	300
		Rabbit	iv	LD	50
		Rabbit	iv	LD	300-400
		Cat	sc	LD	100
		Dog	or	LD	300
		Dog	sc	LD	80
		Dog	iv	LD	9
		Dog	iv	LD	300
1174	Lead arsenate	Rat	or	LD_{50}*	825
		Rat	or	LD_{50}*	100
		Rabbit	or	LD_{50}*	125
		Rabbit	or	MLD	200
		Chicken	or	LD_{50}*	450
		Sheep	or	LD	4940[1]
1175	Lead carbonate	Guinea pig	or	MLD*	1000
		Guinea pig	ip	LD	124
		Guinea pig	ip	LD_{75}	250
1176	Lead chloride	Guinea pig	or	MLD	1500-2000
1177	Lead chromate	Guinea pig	ip	LD_{75}	156
		Guinea pig	ip	LD_{66}	310
1178	Lead dioxide	Guinea pig	ip	LD_{33}	115
		Guinea pig	ip	LD_{66}	230
1179	Lead lactate	Guinea pig	or	LD_{25}	1000-4000
1180	Lead monoxide	Rat	ip	LD_{50}	400
		Guinea pig	ip	LD_{40}	108
		Guinea pig	ip	LD_{75}	210
1181	Lead nitrate	Rat	ip	LD	270
		Guinea pig	or	LD	2000
1182	Lead oleate	Guinea pig	or	LD	8000
1183	Lead orthoarsenate	Guinea pig	ip	LD_{100}	160
		Guinea pig	ip	LD_{50}	38
1184	Lead orthophosphate	Guinea pig	ip	LD_{33}	131
		Guinea pig	ip	LD	260
1185	Lead oxide	Rat	ip	LD_{50}	450
		Guinea pig	or	MLD	2000
1186	Lead (red)	Guinea pig	ip	LD_{40}	118
		Guinea pig	ip	LD_{50}	220
1187	Lead silicate	Guinea pig	ip	LD	136
1188	Lead stearate	Guinea pig	or	MLD	20,000

/1/ Lead monoarsenate.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
		3-4 da	Flury, Abderhalden's Hdb. 4.7b:1314.	1173
			Buck, J. Pharm. Exp. Ther. 38:161, 1930.	
			Bradley, Indust. Med. 2:15, 1941.	
		27 da	Flury, Abderhalden's Hdb. 4.7b:1314	
		2 da	Ibid	
		Few min	Ibid	
			Ibid	
		11 da	Ibid	
			Ibid	
		11-12 da	Ibid	
		24 hr	Ibid	
			Voigt, J. Am. Pharm. Assoc. 37:122, 1948.	1174
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
			Voigt, J. Am. Pharm. Assoc. 37:122, 1948.	
			Ibid	
			Ibid	
			McCulloch, J. Am. Vet. M. Assoc. 96:321, 1940.	
		2½ da	Tartler, Arch. Hyg. 125:273, 1941.	1175
		4 mo	Fairhall, Pub. Health Bull. 253, 1940.	
		4 mo	Ibid	
			Tartler, Arch. Hyg. 125:273, 1941.	1176
		4 mo	Fairhall, Pub. Health. Bull. 253, 1940.	1177
		4 mo	Ibid	
		4 mo	Fairhall, Pub. Health. Bull. 253, 1940.	1178
		4 mo	Ibid	
		6 mo	Tartler, Arch. Hyg. 125:273, 1941.	1179
			Fairhall, Pub. Health Bull. 253, 1940.	1180
		4 mo	Bradley, Indust. Med. 2:15, 1941.	
		4 mo	Ibid	
		2½ hr	Buck, J. Pharm. Exp. Ther. 38:161, 1930.	1181
			Tartler, Arch. Hyg. 125:273, 1941.	
			Tartler, Arch. Hyg. 125:273, 1941.	1182
		18 hr	Fairhall, Pub. Health Bull. 253, 1940.	1183
		18 hr	Ibid	
		4 mo	Fairhall, Pub. Health Bull. 253, 1940.	1184
		4 mo	Ibid	
			Bradley, Indust. Med. 2:15, 1941.	1185
			Tartler, Arch. Hyg. 125:273, 1941.	
		4 mo	Fairhall, Pub. Health Bull. 253, 1940.	1186
		4 mo	Ibid	
			Fairhall, Pub. Health. Bull. 253, 1940.	1187
			Tartler, Arch. Hyg. 125:273, 1941.	1188

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1189	Lead sulfate	Guinea pig	or	MLD*	35,000
		Guinea pig	ip	LD$_{10}$	146
		Guinea pig	ip	LD$_{75}$	290
		Dog	or	LD	2000-3000
1190	Lead sulfide	Rat	ip	LD$_{50}$	1600
		Guinea pig	or	MLD	10,000
		Guinea pig	ip	LD$_{20}$	113
		Guinea pig	ip	LD$_{55}$	220
1191	Lead tetraethyl	Rat	ip	MLD*	10
		Rabbit	sc	MLD	312-468
		Rabbit	iv	MLD	21.8-46.8
1192	Leptoside	Cat	iv	LD$_{50}$	1.888
1193	Lergigan	Rat	sc	LD$_{50}$*	400
		Rat	sc	LD$_{100}$*	700
1194	Lethane (special)[1]	Rat	or	LD$_{50}$	400
		Rabbit	ct	LD$_{50}$	1000
1195	Lethane 60	Rat	or	LD$_{50}$	500
		Rabbit	ct	LD$_{50}$	10,000
1196	Lethane 384[2]	Rat	or	LD	90
		Rat	or	LD	0.5 cc
		Rat	ct	LD	0.6 cc
		Rat	sc	LD	0.55 cc
		Rat	ip	LD	0.09 cc
		Guinea pig	or	LD	0.4 cc
		Guinea pig	sc	LD	0.45 cc
		Guinea pig	ip	LD	0.084 cc
		Rabbit	or	LD	0.12 cc
		Rabbit	ct	LD	0.4 cc
		Rabbit	ct	LD	0.25-0.5 cc
		Rabbit	sc	LD	0.10 cc
		Rabbit	ip	LD	0.08 cc
		Dog	or	LD	0.05 cc
		Dog	sc	LD	0.2 cc
1197	Levulose	Rabbit	iv	LD	14,000-18,000
1198	Licheniformin A5	Mouse	sc	LD$_{50}$	670
		Mouse	ip	LD$_{50}$	476
		Mouse	iv	LD$_{50}$	368
		Rat	sc	LD$_{50}$	300
		Guinea pig	sc	LD$_{50}$	670
		Guinea pig	ip	LD$_{50}$	500
		Guinea pig	iv	LD$_{50}$	100
1199	Lithium chloride	Frog	sc	LD	885.8
	(continued on next page)	Mouse	ip	LD$_{50}$	1060
		Guinea pig	sc	LD	610.9

/1/ Lethane 60-3 parts, hethane 384-1 part./2/ 50% solution of β-Butoxy-β-thiocyanodiethyl

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Tartler. Arch. Hyg. 125:273, 1941.	1189
		4 mo	Fairhall, Pub. Health. Bull. 253, 1940.	
		4 mo	Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1314.	
			Bradley, Indust. Med. 2:15, 1941.	1190
		3 da	Tartler, Arch. Hyg. 125:273, 1941.	
		4 mo	Fairhall, Pub. Health Bull. 253, 1940	
		4 mo	Ibid	
			Buck, J. Pharm. Exp. Ther. 38:161, 1930.	1191
			Obara, Tohoku J. E. M. 46:295, 1944.	
	H_2O		Bischoff, J. Pharm. Exp. Ther. 34:85, 1928.	
1.360-2.850	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1192
		48 hr	Halpern, C. rend. Soc. biol. 144:887, 1950.	1193
			Ibid	
			Lehman, Q. Bull.Assoc.F. & D. Off. 15:122, 1951.	1194
			Lehman, Q. Bull.Assoc.F. & D. Off. 16:3, 1952.	
			Lehman, Q. Bull.Assoc.F. & D. Off. 15:122, 1951.	1195
			Lehman, Q. Bull.Assoc.F. & D. Off. 16:3, 1952.	
	Pet oil		Lehman, Q. Bull.Assoc.F. & D. Off. 15:122, 1951.	1196
	Pet oil		Main, Indust. Med. 11:531, 1942.	
	Pet oil		Ibid	
	Pet oil		Ibid	
	Pet oil		Ibid	
	Pet oil		Ibid	
	Pet oil		Ibid	
	Pet oil		Ibid	
	Pet oil		Ibid	
	Pet oil		Ibid	
	Pet oil		Lehman, Q. Bull. Assoc. F. & D. Off. 16:3, 1952.	
	Pet oil		Main, Indust. Med. 11:531, 1942.	
	Pet oil		Ibid	
	Pet oil		Ibid	
	Pet oil		Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1422.	1197
587-719			Keppie, Brit. J. Pharm. 5:474, 1950.	1198
457-496			Ibid	
356-381			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1362.	1199
			Alles, Univ. Cal. Publ. Pharmacol. 1:187, 1939.	
			Flury, Abderhalden's Hdb. 4.7b:1362.	

ether in light petroleum oil.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1199	Lithium chloride (concluded)	Rabbit	sc	LD	531
		Cat	sc	LD	400-500
		Pigeon	sc	LD	513.2
1200	Lithium fluoride	Frog	sc	LD	250
		Guinea pig	or	LD	200
		Guinea pig	sc	LD	2000
1201	Longilobine	Mouse	iv	LD$_{50}$	76.86±4.84
1202	α-Longilobine	Mouse	iv	LD$_{50}$	71.52±4.65
1203	β-Longilobine	Mouse	iv	LD$_{50}$	77.2±5.0
1204	Luminal	Mouse	or	LD$_{50}$	325
		Mouse	ip	LD$_{50}$	340
		Mouse	ip	LD$_{50}$	235±12
		Rat	or	LD$_{50}$	660
		Rat	sc	LD$_{50}$	200
		Rat	ip	LD$_{50}$	190
		Rat	ip	MLD	155
		Rabbit	or	MLD	150
		Rabbit	ip	MLD	150
		Rabbit	iv	LD$_{50}$	185
		Cat	or	LD$_{50}$*	175
1205	Lunarine	Mouse	iv	LD?	62.3
1206	Lupetidine	Frog	sc	LD*	625-775
1207	Lupulon	Mouse	or	LD$_{50}$	1500
		Mouse	im	LD$_{50}$	600
		Rat	or	LD$_{50}$	1800
		Rat	im	LD$_{50}$	330
		Guinea pig	or	LD$_{50}$	130
1208	Magnesium acetate	Mouse	iv	LD$_{50}$	18.35
1209	Magnesium chlorate	Rat	or	LD$_{50}$	5250
		Rat	ip	LD$_{50}$	1100
1210	Magnesium chloride	Rat[1]	sc	MLD	900
		Rat	ip	LD	225
		Rat	iv	LD	176
1211	Magnesium fluoride	Frog	sc	LD	>2500
		Guinea pig	or	LD	1000
		Guinea pig	sc	LD	3000
1212	Magnesium silicofluoride	Frog	sc	LD	375
		Guinea pig	or	LD	200
		Guinea pig	sc	LD	400
1213	Magnesium sulfate	Guinea pig	sc	MLD	>1800
		Rabbit	sc	MLD	>1750
		Cat	sc	MLD	>1000
	(continued on next page)	Dog	sc	LD	>1750

/1/ Young rat.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Flury, Abderhalden's Hdb. 4.7b:1362. Ibid Ibid	1199
			Simonin, C. rend. Soc. biol. 124:133, 1937. Ibid Ibid	1200
			Henderson, Proc. Soc.Exp.Biol.Med. 76:530, 1951.	1201
			Henderson, Proc. Soc.Exp.Biol.Med. 76:530, 1951.	1202
			Henderson, Proc. Soc.Exp.Biol.Med. 76:530, 1951.	1203
			Reinhard, J. Pharm. Exp. Ther. 106:444, 1952. Gruber, J. Pharm. Exp. Ther. 81:254, 1944. Way, J. Pharm. Exp. Ther. 87:265, 1946. Schaffarzick, Science 116:663, 1952. Vogt, Arch. exp. Path. Pharm. 152:341, 1930. Gruber, J. Pharm. Exp. Ther. 81:254, 1944. Fitch, J. Pharm. Exp. Ther. 44:325, 1932. Ibid Ibid Gruber, J. Pharm. Exp. Ther. 81:254, 1944. Krop, J. Pharm. Exp. Ther. 88:260, 1946.	1204
			Henderson, J. Am. Pharm. Assoc. 39:516, 1950.	1205
			Gürber, Arch. Anat. Physiol. 401:1890.	1206
			Vin Ch'ang Chin, Fed. Proc. 8:281, 1949. Ibid Ibid Ibid Ibid	1207
		48 hr	Welch, J. Lab. Clin. Med. 29:809, 1944.	1208
			Ulrich, J. Pharm. Exp. Ther. 35:1, 1929. Ibid	1209
		1 hr 3-5 min	Main, Endocrinology 24:523, 1939. Ulrich, J. Pharm. Exp. Ther. 35:1, 1929. Loeser, J. Lab. Clin. Med. 15:35, 1929.	1210
			Simonin, C. rend. Soc. biol. 125:133, 1937. Ibid Ibid	1211
			Simonin, C. rend. Soc. biol. 125:133, 1937, Ibid Ibid	1212
			Meltzer, Am. J. Physiol. 14:366, 1905. Ibid Ibid Flury, Abderhalden's Hdb. 4.7b:1364.	1213

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1213	Magnesium sulfate (concluded)	Dog	ip	LD	1200-2000
		Dog	iv	LD	500-1000
1214	Malachite green	Rabbit	or	LD	75[1]
1215	Malathion[2]	Mouse♂	or	LD_{50}	885[3]
		Mouse	or	LD_{50}	1120
		Rat♂	or	LD_{50}	1500
		Rat♀	or	LD_{50}	1200
		Rat	or	LD_{50}	480[3]
		Rat	or	LD_{50}	1400
		Rat	ip	LD_{50}	750
		Rat	iv	LD_{50}*	50
		Guinea pig	or	LD_{50}	570
1216	Maleic hydrazide	Rat	or	LD_{50}	4000
		Rabbit	ct	LD_{50}*	>4000
1217	Malonic acid	Frog	sc	LD	800-1000
		Mouse	ip	LD_{50}	1550
		Rat	ip	LD_{50}	1540
		Rabbit	ip	LD_{50}	660
1218	Malonylnitrile	Frog	sc	LD	95
		Mouse	ip	LD_{50}	12.75±0.39
		Rabbit	sc ?	LD	6-7
		Pigeon	im	MLD	80
1219	Mandelic acid	Rat	or	MLD	3000
		Rat	im	LD_{50}	300
1220	Mandelonitrile	Frog	sc	LD	600
		Mouse	sc	LD	23
		Rabbit	sc	LD	6
		Pigeon	im	LD	22
1221	Manganese chloride, $MnCl_2 . 4H_2O$	Mouse	sc	LD	180-250
		Guinea pig	sc	LD	180
		Rabbit	sc	LD	180
		Rabbit	iv	MLD	64.8
		Dog	iv	LD_{50}	201.6
1222	Manganese dioxide	Mouse	sc	LD	500
		Rabbit	iv	LD	45.36
1223	Mansonin	Cat	iv	LD_{50}	0.1497
1224	Mapharsen	Mouse	ip	LD_{50}	42.6
		Mouse	ip	LD_{50}	42.7±2.4
		Rat	or	MLD	>30
		Rat	im	MLD	>23
		Rat	iv	MLD	>23
		Rabbit	ip	LD_{50}	13
1225	Marsilid	Mouse	or	LD_{50}	968±29
		Mouse	ct	LD_{50}	920
		Mouse	sc	LD_{50}	732
	(continued on next page)	Mouse	sc	LD_{50}	700±60

/1/ Daily. /2/ Formerly Malathon. /3/ Technical, 90% solution in oil.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Flury, Abderhalden's Hdb. 4.7b:1364.	1213
			Ibid	
		6-10 da	Deschiens, C. rend. Soc. biol. 138:838, 1944.	1214
	Veg oil		Holland, Fed. Proc. 11:357, 1952.	1215
			Hagan, Fed. Proc. 12:327, 1952.	
			Ibid	
			Ibid	
	Veg oil		Holland, Fed. Proc. 11:357, 1952.	
			DuBois, Arch. Ind. Hyg. Occ. Med. 8:350, 1953.	
			Ibid	
			Hagan, Fed. Proc. 12:327, 1952.	
			Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	1216
			Lehman, Q. Bull. Assoc. F. & D. Off. 65:3, 1952.	
			Heymans, Dubois' Arch. f. Physiol. 168, 1889.	1217
			Gruber, Arch. int. pharmacod. 79:461, 1949.	
			Ibid	
			Ibid	
			Heymans, Arch. int. pharmacod. 3:77, 1897.	1218
			Nash, Arch. int. pharmacod. 84:385, 1950.	
			Heymans, Arch. int. pharmacod. 3:77, 1897.	
			Meurice, Arch. int. pharmacod. 7:11, 1900.	
			Meier, Arch. int. pharmacod. 64:79, 1940.	1219
			Boyd, Exp. Med. Surg. 4:223, 1946.	
			Verbrugge, Arch. int. pharmacod. 5:161, 1899.	1220
		6 hr	Hunt, Arch. int. pharmacod. 12:447, 1904.	
			Verbrugge, Arch. int. pharmacod. 5:161, 1899.	
			Meurice, Arch. int. pharmacod. 7:11, 1900.	
			Langecker, Heffter's Hdb. 3.2:1346.	1221
		12 hr	Ibid	
		12 hr	Ibid	
			Ibid	
			Carvinka, C. rend. Soc. biol. 102:262, 1929.	
			Langecker, Heffter's Hdb. 3.2:1346.	1222
			Sabatini, Ber. Phys. med. Ges. 47:336, 1928.	
0.1196-0.1771	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1223
			Eagle, J. Pharm. Exp. Ther. 81:142, 1949.	1224
			Beck, Proc. Soc. Exp. Biol. Med. 78:392, 1951.	
			Nelson, J. Pharm. Exp. Ther. 63, 122, 1938.	
			Ibid	
			Ibid	
			Eagle, J. Pharm. Exp. Ther. 81:142, 1949.	
		1 da	Benson, Am. Rev. Tuberc. 65:376, 1952.	1225
			Grunberg, Q. Bull. Sea View Hosp. 13:3, 1952.	
			Ibid	
		1 da	Benson, Am. Rev. Tuberc. 65:376, 1952.	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1225	Marsilid (concluded)	Mouse	im	LD_{50}	683±47.8
		Mouse	ip	LD_{50}	690
		Mouse	iv	LD_{50}	725±36.3
		Mouse	iv	LD_{50}	689
		Rat	or	LD_{50}	383
		Rabbit	or	LD_{50}	150
		Rabbit	iv	LD_{50}	150
1226	Mecholyl HCl	Mouse	or	LD_{50}	1100
		Mouse	sc	LD_{50}	90
		Mouse	iv	LD_{50}	15
		Rat	or	LD_{50}	750
		Rat	sc	LD_{50}	75
		Rat	iv	LD_{50}	20
1227	Mefurone	Rat	?	LD_{50}	25±0.2
		Mouse	?	LD_{50}	33±0.2
1228	Menadione	Mouse	or	LD_{100}	1000[1]
		Mouse	ip	LD_{100}	200[1]
		Chicken	ip	LD_{100}	250[1]
1229	Menthol (natural)	Mouse	sc	LD	5000-6000
		Rat	sc	LD	1000-2500
		Cat	or	LD	800-1000[2]
		Cat	ip	LD	800-1000[2]
1230	Menthol (synthetic)	Mouse	sc	LD	1400-1600
		Cat	or	LD	1500-1600[2]
		Cat	ip	LD	1500-1600[2]
1231	Mephenesin carbamate	Mouse	or	LD_{50}	2.77
		Mouse	ip	LD_{50}	7.67
1232	Mephentermine	Mouse	ip	LD_{50}	100-110
1233	Mercuhydrin	Mouse	sc	LD_{50}	84±2
		Rat	sc	LD_{50}	12.5
		Rat	im	LD_{50}	11.8±0.5
		Rat	iv	LD_{50}	25
1234	Mercuric chloride	Mouse	sc	LD_{50}	23
		Mouse	iv	LD_{50}	7.6
		Mouse	iv	LD_{50}	14±2.4[3]
		Mouse	iv	LD_{50}	4.8±0.8[3]
		Rat	or	LD_{50}*	37
		Rabbit	sc	LD	10
1235	Mercurochrome	Rabbit	iv	LD	15-20
1236	Mercurophylline	Mouse	sc	LD_{50}	163±2
		Mouse	iv	LD_{50}	55.6
		Mouse	iv	LD_{50}	43.6±3
		Rat	sc	LD_{50}	21
		Rat	iv	LD_{50}	84-112
		Rabbit	iv	LD_{50}	7.1

/1/ Suspension in oil. /2/ Emulsion. /3/ As mercury.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
		1 da	Benson, Am. Rev. Tuberc. 65:376, 1952.	1225
		1 da	Ibid	
		1 da	Ibid	
			Grunberg, Q. Bull. Sea View Hosp. 13:3, 1952.	
		1 wk	Benson, Am. Rev. Tuberc. 65:376, 1952.	
		1 da	Ibid	
		1 da	Ibid	
			Molitor, J. Pharm. Exp. Ther. 58:337, 1936.	1226
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Slaughter, J. Pharm. Exp. Ther. 101:33, 1951.	1227
			Ibid	
	Oil		Molitor, Proc. Soc. Exp. Biol. Med. 43:125, 1940.	1228
	Oil		Ibid	
	Oil		Ibid	
	Oil		Flury, Abderhalden's Hdb. 4.7b:1365.	1229
	Oil		Ibid	
			Ibid	
			Ibid	
	Oil		Flury, Abderhalden's Hdb. 4.7b:1365.	1230
			Ibid	
			Ibid	
			Dresel, Proc. Soc. Exp. Biol. Med. 79:286, 1952.	1231
			Ibid	
			Seifter, 116th Meet. Am. Chem. Soc., 1949.	1232
			Blumberg, J. Pharm. Exp. Ther. 105:336, 1952.	1233
		1-7 da	Orth, Fed. Proc. 9:305, 1950.	
			Blumberg, J. Pharm. Exp. Ther. 105:336, 1952.	
		1-7 da	Orth, Fed. Proc. 9:305, 1950.	
			Wien, Q. J. Pharm. Pharmacol. 12:212, 1939.	1234
			Ibid	
		3 hr	Lehman, J. Pharm. Exp. Ther. 99:149, 1950.	
		4 da	Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
	H_2O		Hesse, Arch. exp. Path. Pharm. 177:266, 1926.	
		7-10 da	Cohen, J. Pharm. Exp. Ther. 34:343, 1929.	1235
			Blumberg, J. Pharm. Exp. Ther. 105:336, 1952.	1236
		½ hr	Lehman, J. Pharm. Exp. Ther. 99:149, 1950.	
		4 da	Ibid	
		1-7 da	Orth, Fed. Proc. 9:305, 1950.	
		50 min	Ibid	
		½ hr	Lehman, J. Pharm. Exp. Ther. 99:149, 1950.	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1237	Mersalyl theophylline	Mouse	sc	LD_{50}	74±4
		Rat	im	LD_{50}	10.8±0.2
1238	Merthiolate	Mouse	sc	LD_{50}	66
		Mouse	iv	LD_{50}	45
1239	Mesantoin	Rat	ip	LD_{100}	270^1
		Guinea pig	ip	LD_{50}	215^1
1240	Metacide	Rat	or	LD_{50}	12.7
		Rat	ip	LD_{50}	3.5
1241	Methacrylaldehyde	Rat	or	LD_{50}	140
		Rabbit	ct	LD_{50}	0.43 cc
1242	Methacrylonitrile	Mouse	or	LD^*	15
		Mouse	ip	LD^*	15
1243	D-Methadone HCl	Mouse	ip	LD_{50}	65
		Mouse	iv	LD_{50}	30.6±1.0
		Rat	ip	LD_{50}	72
1244	DL-Methadone HCl	Frog^2	sc	LD_{50}	102±20
		Frog^3	sc	LD_{50}	55.5±5.3
		Turtle	sc	LD_{50}	31.3±2.2
		Mouse	or	LD_{50}	93.7±9.5
		Mouse	sc	LD_{50}	48±19
		Mouse	sc	LD_{50}	40
		Mouse	sc	LD_{50}	33.7±5.4
		Mouse	ip	LD_{50}	31
		Mouse	ip	LD_{50}	38.2±1.9
		Mouse	iv	LD_{50}	17.3±0.9
		Mouse	iv	LD_{50}	18
		Mouse	iv	LD_{50}	20.9±1.6
		Mouse	iv	LD_{50}	20±5
		Rat	or	LD	90.0±10.8
		Rat	or	LD_{50}	95.0±33
		Rat	sc	LD_{50}	12.4±2.5
		Rat	sc	LD_{50}	48
		Rat	sc	LD_{50}	100±19
		Rat	sc	LD_{50}	45±16
		Rat	ip	LD_{50}	23.8±2.4
		Rat	ip	LD_{50}	33
		Rat	ip	LD_{50}	40
		Rat	iv	LD_{50}	10.46±1.19
		Rat^4	iv	LD_{50}	14.62±1.58
		Rat	iv	LD_{50}	9.2±0.4
		Guinea pig	sc	LD_{50}	54.4±3.6
		Monkey	sc	LD_{50}	10-20
		Pigeon	iv	LD_{50}	50.9±3.1
		Duck^5	iv	LD_{50}	12.0±3.6

/1/ 10% solution in propylene glycol. /2/ Leopard frog. /3/ African clawed frog. /4/Young

Dosage mg/kg				
Range	Vehicle	Time of Death	Reference	
			Blumberg, J. Pharm. Exp. Ther. 105:336, 1952.	1237
			Ibid	
			Wien, Q. J. Pharm. Pharmacol. 12:212, 1939.	1238
			Ibid	
	Prop gly		Pers. comm., Scandoz Chem. Works, 1950.	1239
	Prop gly		Ibid	
			DuBois, Fed. Proc. 9:269, 1950.	1240
			DuBois, Arch. Ind. Hyg. Occ. Med. 6:9, 1952.	
100-190			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	1241
0.28-0.66 cc			Ibid	
			McOmie, J. Ind. Hyg. Tox. 31:113, 1949.	1242
			Ibid	
			Winter, J. Pharm. Exp. Ther. 98:305, 1950.	1243
			Scott, Current Res. Anes. 26:12, 1947.	
			Winter, J. Pharm. Exp. Ther. 98:305, 1950.	
			Henderson, Arch. int. pharmacod. 79:282, 1949.	1244
			Ibid	
			Ibid	
			Chen, Ann. N. Y. Acad. Sci. 51:83, 1948.	
			Randall, J. Pharm. Exp. Ther. 99:163, 1950.	
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	
			Chen, Ann. N. Y. Acad. Sci. 51:83, 1948.	
			Winter, J. Pharm. Exp. Ther. 98:305, 1950.	
			Chen, Ann. N. Y. Acad. Sci. 51:83, 1948.	
			Ibid	
			Winter, J. Pharm. Exp. Ther. 98:305, 1950.	
			Scott, Current Res. Anes. 26:12, 1947.	
			Randall, J. Pharm. Exp. Ther. 99:163, 1950.	
			Chen, Ann. N. Y. Acad. Sci. 51:83, 1948.	
			Finnegan, J. Pharm. Exp. Ther. 92:269, 1948.	
			Chen, Ann. N. Y. Acad. Soc. 51:38, 1948.	
			Winter, J. Pharm. Exp. Ther. 98:305, 1950.	
			Finnegan, J. Pharm. Exp. Ther. 92:269, 1948.	
			Randall, J. Pharm. Exp. Ther. 99:163, 1950.	
			Chen, Ann. N. Y. Acad. Sci. 51:83, 1948.	
			Winter, J. Pharm. Exp. Ther. 98:305, 1950.	
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	
			Henderson, Proc. Soc. Exp. Biol. Med. 68:350, 1948.	
			Ibid	
			Finnegan, J. Pharm. Exp. Ther. 92:269, 1948.	
			Chen, Ann. N. Y. Acad. Sci. 51:83, 1948.	
			Ibid	
			Henderson, Arch. int. pharmacod. 79:282, 1949.	
			Ibid	

rats (14 days old) are less sensitive than mature rats (4 months old. /5/ Young.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1245	L-Methadone HCl	Mouse	sc	LD_{50}	19
		Mouse	ip	LD_{50}	30
		Mouse	iv	LD_{50}	28.7±4.5
		Rat	sc	LD_{50}	44
		Rat	ip	LD_{50}	24
1246	Methadren(e)	Mouse	sc	LD	250
		Rat	sc	LD_{50}*	105
		Rat	ip	LD_{50}*	50
		Rat	iv	LD_{50}*	5-6
		Rabbit	sc	LD_{50}*	25-30
		Rabbit	ip	LD_{50}*	20-25
		Rabbit	iv	LD_{50}*	2.5-3.75
		Rabbit	iv	LD	40
		Dog[1]	iv	LD_{50}*	10-15
		Dog[2]	iv	LD_{50}*	7.5
1247	Methanol	Frog	iv	LD	4176
		Mouse	or	LD	7920-9504
		Rat	or	LD_{50}	12,880
		Rabbit	or	LD	6970
		Rabbit	or	LD	11,088
		Rabbit	iv	LD	4220
		Rabbit	iv	MLD	15,919
		Cat	iv	LD	4673
		Dog	or	LD	6336
1248	Methedrine	Mouse	ip	LD_{50}	70
		Mouse	ip	MLD	32
		Rat	or	LD*	3-5
		Rat	ip	LD	1.5-2.5
		Rat	ip	LD	25
1249	4-Methoxy-2-aminobenzothiazole	Mouse	or	LD_{50}	562±124
		Mouse	iv	LD_{50}	46±12
1250	5-Methoxy-2-aminobenzothiazole	Mouse	iv	LD_{50}*	150
1251	6-Methoxy-2-aminobenzothiazole	Mouse	iv	LD_{50}*	140
1252	p-Methoxybenzyl alcohol	Mouse	or	LD_{50}	1.6 cc
		Rat	or	LD_{50}	1.2 cc
1253	Methoxychlor	Mouse	or	LD_{20}	800
		Rat	or	LD_{50}	5000
		Rat	or	LD_{50}*	6000
		Rabbit	ct	LD_{50}*	4000
1254	Methoxyethyl oleate	Rat	or	LD*	16,000
1255	2-Methoxyphenoxyethylbenzyl-β-chloroethylamine	Mouse	sc	LD_{50}*	50
1256	2-Methoxyphenoxyethyl-β-chloroethylamine	Mouse	sc	LD_{50}*	25

/1/ Young. /2/ Adult.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Winter, J. Pharm. Exp. Ther. 98:305, 1950.	1245
			Ibid	
			Scott, Current Res. Anes. 26:12, 1947.	
			Winter, J. Pharm. Exp. Ther. 98:305, 1950.	
			Ibid	
			Geiger, Arch. int. pharmacod. 61:64, 1939.	1246
		24 hr	Stutzman, J. Pharm. Exp. Ther. 69:1, 1940.	
		24 hr	Ibid	
		24 hr	Ibid	
		24 hr	Ibid	
		24 hr	Ibid	
		24 hr	Ibid	
			Ibid	
			Ibid	
			Ibid	
			Sammartino, Arch. farm. sper. 56:351, 1933.	1247
			Weese, Arch. exp. Path. Pharm. 135:118, 1928.	
11,440-14,460			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	
			Dujardin, C. rend. Acad. sc. 81:192, 1876.	
			Langgard, Berl. klin. Wschr. 49:1704, 1912.	
			Sammartino, Arch. farm. sper. 56:351, 1933.	
			Lehman, J. Pharm. Exp. Ther. 61:103, 1937.	
Macht			Macht, J. Pharm. Exp. Ther. 16:1, 1921.	
			Haskell, Arch. Int. Med. 27:71, 1921.	
			Lands, J. Pharm. Exp. Ther. 89:382, 1947.	1248
			Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	
			Hauschild, Arch. exp. Path. Pharm. 191:465, 1939.	
			Ibid	
			Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	1249
			Ibid	
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	1250
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	1251
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	1252
			Ibid	
	Oil	7 da	Von Oettingen, J. Pharm. Exp. Ther. 88:400, 1946.	1253
	Oil	72 hr	Hodge, J. Pharm. Exp. Ther. 99:140, 1950.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
			Ibid	
			Smith, Ind. Med. Hyg. 7:310, 1953.	1254
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1255
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1256

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1257	2-Methoxyphenoxyethyldiethylamine	Mouse	sc	LD_{50}*	350
1258	2-Methoxyphenoxyethylmethylphenoxyethyl-β-chloroethylamine	Mouse	sc	LD_{50}*	40
1259	m-Methoxyphenylethylamine	Mouse	ip	LD	230
1260	p-Methoxyphenylethylamine	Mouse	ip	LD	150
1261	α-(4-Methoxyphenyl)-β-methylaminopropane	Rat	ip	LD_{50}	300
1262	α-(p-Methoxyphenyl)-β-methylaminopropane	Mouse	ip	MLD	300
1263	1-(p-Methoxyphenyl)-2-methyl-1, 3-propandiol methylene ether	Mouse	or	LD_{50}	4. 5 cc
		Rat	or	LD_{50}	4. 2 cc
1264	2-Methoxy-4-propylenephenoxyethylethyl-β-chloroethylamine	Mouse	sc	LD_{50}*	15
1265	Methyl acetate	Guinea pig	sc	LD	3000-5000
		Cat	sc	LD	3000
1266	Methyl acetoacetate	Rat	or	LD_{50}	3000
		Rabbit	ct	LD_{50}	>10, 000
1267	4-Methylaesculetin	Mouse	ip	LD_{50}	>3000
1268	Methylamine	Frog	sc	LD	2000-3000
		Mouse	sc	LD	2500
		Rabbit	sc	LD	2000
		Rabbit	iv	LD	800-1000
1269	2-Methylaminobenzothiazole	Mouse	iv	LD_{50}	166±9
1270	4-Methyl-2-aminobenzothiazole	Mouse	or	LD_{50}	697±147
		Mouse	iv	LD_{50}	54±4
1271	5-Methyl-2-aminobenzothiazole	Mouse	or	LD_{50}	1070±200
		Mouse	iv	LD_{50}	74±2
1272	6-Methyl-2-aminobenzothiazole	Mouse	or	LD_{50}	525±160
		Mouse	iv	LD_{50}	84±5
1273	6-Methyl-2-aminobenzothiazole, 4-methyl	Mouse	or	LD_{50}*	850
1274	2-Methylaminoethanol	Rat	or	LD_{50}	2340
1275	p-di-β-3-Methylaminoethoxybenzene diiodide	Mouse	sc	LD_{50}	15. 5±1. 7
1276	2-Methyl-6-aminoheptane	Rat	or	LD_{50}	538
		Rat	im	LD_{50}	146
		Rat	ip	LD_{50}	50
1277	2-Methyl-2-n-amyl-4-acetylmethyl-1, 3-dioxolane	Mouse	ip	LD_{50}	1000.5±170.2

/1/ Bovet and Bovet-Nitti, "Médicaments du Système Nerveux Végétatif," New York:

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1257
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1258
			Epstein, J. Physiol. 76:224, 1932.	1259
			Epstein, J. Physiol. 76:224, 1932.	1260
			Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	1261
			Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	1262
			Draize, J. Pharm. Exp. Ther. 93:26, 1948. Ibid	1263
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1264
			Flury, Arch. Gewerbepath. 5:1, 1934. Ibid	1265
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948. Ibid	1266
			Brodersen, Acta pharm. tox. 2:109, 1951.	1267
			Flury, Abderhalden's Hdb. 4.7b:1365. Bovet & Bovet-Nitti.[1] Brunton, Philos. Tr. Roy. Soc. Lond. 175:197, 1884. Bovet & Bovet-Nitti.[1]	1268
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	1269
			Domino, J. Pharm. Exp. Ther. 105:486, 1952. Ibid	1270
			Domino, J. Pharm. Exp. Ther. 105:486, 1952. Ibid	1271
			Domino, J. Pharm. Exp. Ther. 105:486, 1952. Ibid	1272
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	1273
2130-2560			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	1274
			Winter, J. Pharm. Exp. Ther. 100:489, 1950.	1275
			Semenza, Boll. soc. ital. biol. sper. 27:354, 1951. Ibid Ibid	1276
			Berger, Arch. int. pharmacod. 85:474, 1951.	1277

S. Karger, 1948.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1278	2-(3-Methylamyl)dioxaspirane	Mouse	ip	LD_{50}	502.2±37.2
1279	(3-Methylamyl)dioxaspirane	Mouse	ip	LD_{50}	465±37.2
1280	2-Methyl-2-n-amyl-1,3-dioxolane	Mouse	ip	LD_{50}	940.1±90
1281	2-Methyl-2-amyl-4-hydroxymethyl-1,3-dioxolane	Mouse	ip	LD_{50}	594.04±26.32
1282	2-Methyl-2-sec.-amyl-4-hydroxymethyl-1,3-dioxolane	Mouse	ip	LD_{50}	654.24±101.52
1283	Methylaniline	Rabbit	or	LD	280
		Rabbit	ct	LD	3000
		Rabbit	iv	LD	24
		Cat	iv	LD	24
1284	9-Methyl-azobicyclo-nonanol-diphenylacetate HCl	Mouse	ip	LD_{50}	120
1285	2-Methylbenzimidazole	Mouse	iv	LD_{50}*	200
1286	2-Methylbenzothiazole	Mouse	iv	LD_{50}	105±3
1287	2-Methylbenzotriazole	Mouse	iv	LD_{50}*	375
1288	(3-m-Methylbenzoxyphenyl)-trimethylammonium bromide	Mouse	iv	LD_{50}	7.8±0.82
1289	(3-p-Methylbenzoxyphenyl)-trimethylammonium bromide	Mouse	iv	LD_{50}	11.2±0.79
1290	α-Methylbenzylamine	Rat	or	LD_{50}	940
		Rabbit	ct	LD_{50}	780
1291	α-Methylbenzylamine-N-hydroxyethyl	Rat	or	LD_{50}	2830
		Rabbit	ct	LD_{50}	1540
1292	Methylbenzyl "cellosolve"	Rat	or	LD_{50}	2290
		Rabbit	ct	LD_{50}	5 cc
1293	Methyl-bis(β-chloroethyl)amine (Bunte salt)	Mouse	sc	LD_{50}	500
		Mouse	iv	LD_{50}	200
		Rabbit	iv	LD_{50}	50
1294	Methyl-bis(β-chloroethyl)amine HCl	Mouse	or	LD_{50}	20
		Mouse	ct	LD_{50}	29
		Mouse	sc	LD_{50}	2.6
		Mouse	iv	LD_{50}*	2
		Rat	or	LD_{50}	10
		Rat	ct	LD_{50}	22
		Rat	sc	LD_{50}	1.9
		Rat	iv	LD_{50}	1.1
		Rabbit	ct	LD_{50}*	15
		Rabbit	iv	LD_{50}*	1.6
		Dog	iv	LD_{50}*	1
1295	2-Methyl-1,4-butanediol	Rat	or	LD_{50}	5460
		Rabbit	ct	LD_{50}	2620

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Berger, Arch. int. pharmacod. 85:474, 1951.	1278
			Berger, Arch. int. pharmacod. 85:474, 1951.	1279
			Berger, Arch. int. pharmacod. 85:474, 1951.	1280
			Berger, Arch. int. pharmacod. 85:474, 1951.	1281
			Berger, Arch. int. pharmacod. 85:474, 1951.	1282
		130 hr	Treon, J. Ind. Hyg. Tox. 31:1, 1949.	1283
			Ibid	
		3-5 hr	Ibid	
		7 hr	Ibid	
			Randall, J. Pharm. Exp. Ther. 104:284, 1952.	1284
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	1285
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	1286
			Domino, J. Pharm. Exp. Ther. 105:486, 1952.	1287
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	1288
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	1289
670-1310			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	1290
420-1450			Ibid	
1640-4870			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	1291
910-2610			Ibid	
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	1292
			Ibid	
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947.	1293
			Ibid	
			Ibid	
			Anslow, J. Pharm. Exp. Pharm. 91:224, 1947.	1294
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
4790-6220			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	1295
2300-2890			Ibid	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1296	2-Methyl-1-butene-3-one	Rat Rabbit	or ct	LD_{50} LD_{50}	180 230
1297	1-Methylbutyl carbamate	Mouse	ip	LD_{50}	350
1298	4-(2-Methylbutyl-2)-2-chlorophenoxyethoxyethyl-4-chlorobenzyldimethylammonium chloride	Mouse	iv	LD_{50}	37.4
1299	2-Methyl-2-i-butyl-4-hydroxymethyl-1, 3-dioxolane	Mouse	ip	LD_{50}	560±43.5
1300	2-Methyl-2-n-butyl-4-hydroxymethyl-1, 3-dioxolane	Mouse	ip	LD_{50}	475.02±55.68
1301	2-(Methyl-2-butyl-3)4-hydroxymethyl-1, 3-dioxolane	Mouse	ip	LD_{50}	649.02±85.26
1302	Methyl "carbitol"	Rat	or	LD_{50}	9210
1303	Methyl "cellosolve"	Mouse Rat Guinea pig	ip or or	LD_{50} LD_{50} LD_{50}	2150 2460 950
1304	Methyl "cellosolve" acetate	Rat Rabbit	or ct	LD_{50} LD_{50}	3390 5250
1305	Methyl-β-chloroethylamine	Mouse	iv	LD_{50}*	100
1306	Methyl-β-chloroethylethylenimonium picrylsulfonate	Mouse Mouse	sc iv	LD_{50} LD_{50}	2.4 1.5
1307	Methyl-β-chloroethyl-β-hydroxyethylamine HCl	Mouse Mouse Mouse Rabbit	sc ip iv iv	LD_{50} LD_{50} LD_{50} LD_{50}*	16 34 22.5 12
1308	2-Methyl-2-chloromethyl-4-hydroxymethyl-1, 3-dioxolane	Mouse	ip	LD_{50}	850.82±151.52
1309	Methylcyclohexane	Rabbit	or	MLD	4000-4500
1310	Methylcyclohexanol	Rabbit Rabbit	or ct	MLD MLD	1750-2000 6800-9400
1311	Methylcyclohexanone	Rabbit Rabbit	or ct	MLD MLD	1000-1250 4900-7200
1312	2-Methyl-2-cyclohexyl-4-hydroxymethyl-1, 3-dioxolone	Mouse	ip	LD_{50}	1000±150
1313	Methyldibenzazepine	Mouse	ip	LD_{50}	122±14
1314	5, 5'-Methylene-bis-(4, 6-dioxo-2-methyldihydropyran)	Mouse	ip	LD_{50}	350
1315	2, 2'-Methylene-bis-[(4-methyl-6-butyl-3)phenol]	Rat	or	LD_{50}	6500
1316	Methylene-bis-tetronic acid	Mouse	ip	LD_{50}	>600

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
70-770			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951. Ibid	1296
			Rpt. Chemother. Leukemia, So. Res. Inst. 1949.	1297
			Lehman. Q. Bull. Assoc. F. & D. Off. 18:43, 1954.	1298
			Berger, Arch. int. pharmacod. 85:474, 1951.	1299
			Berger, Arch. int. pharmacod. 85:474, 1951.	1300
			Berger, Arch. int. pharmacod. 85:474, 1951.	1301
7,900-10,710			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	1302
2130-2840 840-1080			Karel, Fed. Proc. 6:342, 1947. Smyth, J. Ind. Hyg. Tox. 23:259, 1941. Ibid	1303
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948. Ibid	1304
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947.	1305
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947. Ibid	1306
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947. Ibid Ibid Ibid	1307
			Berger, Arch. int. pharmacod. 85:474, 1951.	1308
			Treon, J. Ind. Hyg. Tox. 25:199, 1943.	1309
			Treon, J. Ind. Hyg. Tox. 25:199, 1943. Ibid	1310
			Treon, J. Ind. Hyg. Tox. 25:199, 1943. Ibid	1311
			Berger, Arch. int. pharmacod. 85:474, 1951.	1312
			Randall, J. Pharm. Exp. Ther. 103:10, 1951.	1313
			Brodersen, Acta pharm. tox. 2:109, 1946.	1314
			Hagan, Fed. Proc. 11:353, 1952.	1315
			Brodersen, Acta pharm. tox. 2:109, 1946.	1316

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1317	Methylene blue[1]	Frog	sc	LD*	572
		Mouse	sc	LD	150
		Mouse	ip	LD_{100}	400[2]
		Mouse	iv	LD_{60}	200
		Rat	sc	LD_{60}	400
		Rat	iv	LD	300[3]
		Guinea pig	sc	LD_{60}	300[3]
		Guinea pig	ip	LD_{50}	250[3]
		Rabbit	or	LD	1000
		Rabbit	ip	LD	400
		Rabbit	iv	LD_{50}	150[4]
		Cat	iv	MLD	40
		Dog	or	LD	500
1318	Methylene green	Rat	or	LD_{50}*	500
		Rat	ip	LD_{50}*	125
		Rabbit	iv	LD_{50}*	150
		Cat	iv	LD_{100}	75
1319	3-Methylethylamino-1, 1-di-(2'-thienyl)butane HCl	Mouse	or	LD_{50}	253
		Mouse	sc	LD_{50}	130
1320	3-Methylethylamino-1, 1-di-(2'-thienyl)butene HCl	Mouse	or	LD_{50}	192
		Mouse	sc	LD_{50}	88
1321	2-Methyl-5-ethylpyridine	Rat	or	LD_{50}	1540
		Rabbit	ct	LD_{50}	3800
1322	Methyl-γ-fluorobutyrate	Rabbit	iv	LD_{50}	0.1
		Cat	iv	LD_{50}	0.2
		Monkey[5]	iv	LD_{50}	3-5
1323	Methylguanidine	Frog	sc	LD	170-190
		Mouse	sc	LD	550-600
		Rat	sc	MLD	250
1324	3-Methyl-5-heptanone	Mouse♂	or	LD	3800
		Rat♀	or	LD	3500
		Guinea pig	or	LD	2500
1325	2-Methyl-2-n-heptyl-4-hydroxy-methyl-1, 3-dioxolane	Mouse	ip	LD_{50}	399.60±49.68
1326	2-Methyl-2-hexylamine	Mouse	ip	LD_{50}	85
1327	3-Methyl-2-hexylamine	Mouse	ip	LD_{50}	90
1328	4-Methyl-2-hexylamine	Mouse	ip	LD_{50}	185
1329	5-Methyl-2-hexylamine	Mouse	ip	LD_{50}	90
1330	2-Methyl-2-n-hexyl-4-hydroxy-methyl-1, 3-dioxolane	Mouse	ip	LD_{50}	620.54±109.08
1331	2-Methyl-2-hexyl-methylamine	Mouse	ip	LD_{50}	70

/1/Brands may vary in toxicity. /2/1% solution. /3/2% solution. /4/5% solution. /5/Rhesus.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Flury, Abderhalden's Hdb. 4. 7b:1366.	1317
			Ibid	
	H_2O		Anderson, J. Pharm.Exp. Ther. 51:150, 1934.	
			Ibid	
			Ibid	
	H_2O		Ibid	
	H_2O		Ibid	
	H_2O		Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1366.	
			Anderson, J. Pharm. Exp. Ther. 51:150, 1934.	
	H_2O		Ibid	
			Macht, Ann. Int. Med. 7:738, 1933.	
			Flury, Abderhalden's Hdb. 4. 7b:1366.	
			Emerson, Int. J. Leprosy 2:257, 1934.	1318
			Ibid	
			Ibid	
			Ibid	
221-291			Eddy, J. Pharm. Exp. Ther. 107:385, 1953.	1319
121-140			Ibid	
185-199			Eddy, J. Pharm. Exp. Ther. 107:385, 1953.	1320
84-93			Ibid	
1220-1910			Smyth, Arch. Ind. Hyg. Occ. Med. 4:118, 1951.	1321
			Ibid	
			Chenoweth, J. Pharm. Exp. Ther. 97:383, 1949.	1322
			Ibid	
			Ibid	
		2 da	Führner, Arch. exp. Path. Pharm. 166:437, 1932.	1323
		1-2 hr	Ibid	
		24 hr	Alles, J. Pharm. Exp. Ther. 28:251, 1926.	
3000-4800			Morse, Fed. Proc. 12:353, 1953.	1324
2800-4500			Ibid	
1300-4800			Ibid	
			Berger, Arch. int. pharmacod. 85:474, 1951.	1325
			Marsh, J. Pharm. Exp. Ther. 103:325, 1951.	1326
			Marsh, J. Pharm. Exp. Ther. 103:325, 1951.	1327
			Marsh, J. Pharm. Exp. Ther. 103:325, 1951.	1328
			Marsh, J. Pharm. Exp. Ther. 103:325, 1951.	1329
			Berger, Arch. int. pharmacod. 85:474, 1951.	1330
			Marsh, J. Pharm. Exp. Ther. 103:325, 1951.	1331

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1332	3-Methyl-2-hexyl-methylamine	Mouse	ip	LD_{50}	70
1333	4-Methyl-2-hexyl-methylamine	Mouse	ip	LD_{50}	120
1334	5-Methyl-2-hexyl-methylamine	Mouse	ip	LD_{50}	65
1335	4-Methyl-1-hydrazinophthalazine	Mouse	ip	LD_{50}	115±7
1336	Methyl-7-hydroxycoumarin-diethoxythiophosphoric ester	Rat Rat	or ip	LD_{50} LD_{50}	22 15
1337	Methyl-β-hydroxyethylethyl-enimonium picrylsulfonate	Mouse Mouse Rabbit	ip iv iv	LD_{50} LD_{50} LD_{50}	7.5 4.2 3-5
1338	β-(5-Methylimidazolyl-[4])-ethylamine	Mouse Guinea pig	ip ip	LD_{50} LD_{50}	1000 300
1339	β-(5-Methylimidazolyl-[4])-methylamine	Mouse Guinea pig	ip ip	LD_{50} LD_{50}	750 300
1340	Methyl iodide	Rat Rat	or sc	LD_{50}* LD_{50}*	150-220[1] 150-220[1]
1341	Methylmercury chloride	Rabbit	iv	LD*	15
1342	Methylmercury thioglycolate sodium	Rat Rabbit	ip iv	MLD MLD	40 20
1343	Methylmethacrylate	Rat Rat Rabbit	or or or	LD_{50} LD_{50} LD	8420 9360 6550-7490
1344	2-Methyl-2-(1'-methylol-n-amyl)-1,3-dioxolane	Mouse	ip	LD_{50}	571.2±54.52
1345	2-Methyl-2-L-methylpentyl-4-hydroxymethyl-1-dioxolane	Mouse	ip	LD_{50}	725.18±109.08
1346	N-Methylmorpholine	Rat Rabbit	or ct	LD_{50} LD_{50}	2720 1350
1347	Methyl-1-naphthaleneacetic acid	Rat	or	LD_{50}*	2140
1348	2-Methyl-2,4-pentandiol	Mouse Mouse Rat Guinea pig Rabbit	or ip or or or	LD_{50} LD_{50} LD_{50} LD_{50} LD_{50}	4158 1386 3696 2587 2956
1349	Methylpentanediol-2,4	Rat Rabbit	or ct	LD_{50} LD_{50}	4700 13,300
1350	2-Methylpentanol-1	Rat Rabbit	or ct	LD_{50}	1410 3.56 cc
1351	2-Methyl-2-pentene-1-ol	Rat Rabbit	or ct	LD_{50} LD_{50}	4920 3.0 cc

/1/ 10% solution in oil.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Marsh, J. Pharm. Exp. Ther. 103:325, 1951.	1332
			Marsh, J. Pharm. Exp. Ther. 103:325, 1951.	1333
			Marsh, J. Pharm. Exp. Ther. 103:325, 1951.	1334
			Walker, J. Pharm. Exp. Ther. 101:369, 1951.	1335
			Cochran, Fed. Proc. 10:287, 1951. Ibid	1336
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947. Ibid Ibid	1337
			Alles, J. Pharm. Exp. Ther. 76:386, 1943. Ibid	1338
			Alles, J. Pharm. Exp. Ther. 76:386, 1943. Ibid	1339
	Oil Oil		Chem. Absts. 45:5316e, 1951. Ibid	1340
		4-5 min	Cohen, J. Pharm. Exp. Ther. 35:343, 1929.	1341
		24 hr 1-2 wk	Cohen, J. Pharm. Exp. Ther. 35:343, 1929. Ibid	1342
		7-8 min 70 min	Deichmann, J. Ind. Hyg. Tox. 23:343, 1941. Spealman, Indust. Med. 14:292, 1945. Deichmann, J. Ind. Hyg. Tox. 23:343, 1941.	1343
			Berger, Arch. int. pharmacod. 85:474, 1951.	1344
			Berger, Arch. int. pharmacod. 85:474, 1951.	1345
2230-3300 980-1880			Smyth, J. Ind. Hyg. Tox. 31:60, 1949. Ibid	1346
			Lehman, Q. Bull. Assoc. F. &D. Off. 15:122, 1951.	1347
			Woodard, Fed. Proc. 4:142, 1945. Ibid Ibid Ibid Ibid	1348
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948. Ibid	1349
960-2080			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954. Ibid	1350
3750-6460 2.13-4.21 cc			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954. Ibid	1351

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1352	3-Methylpent-4-en-1-yn-3-ol	Mouse Mouse	or sc	LD_{50} LD_{50}	1350 1100
1353	3-Methylpentyne-1-ol	Mouse	or	LD_{50}	940
1354	2-Methylphenoxyethylbenzyl-β-chloroethylamine	Mouse	sc	LD_{50}	>1000
1355	2-Methylphenoxyethyl-β-chloroethylamine	Mouse	sc	LD_{50}	750
1356	4-Methylphenoxyethyl-β-chloroethylamine	Mouse	sc	LD_{50}	35
1357	2-Methylphenoxyethyldiethylamine	Mouse	sc	LD_{50}	500
1358	2-Methylphenoxyethyl-β-hydroxyethylamine	Mouse	sc	LD_{50}	500
1359	2-Methylphenoxyethyl-1-methylnaphthol-β-chloroethylamine	Mouse	sc	LD_{50}*	>1000
1360	b-2-Methylphenoxyisopropylbenzyl-α-chloroethylamine	Mouse	sc	LD_{50}*	850
1361	2-Methylphenoxypropylenebenzylchloroethylamine	Mouse	sc	LD_{50}*	1000
1362	2-Methylphenyldiethyletherethyl-β-chloroethylamine	Mouse	sc	LD_{50}*	70
1363	2-Methyl-2-phenyl-4-hydroxymethyl-1, 3-dioxolane	Mouse	ip	LD_{50}	329.8±20.1
1364	2-Methylphenylisopropylamine	Mouse	ip	LD_{50}	152
1365	3-Methylphenylisopropylamine	Mouse	ip	LD_{50}	90
1366	4-Methylphenylisopropylamine	Mouse	ip	LD_{50}	136
1367	2-Methylphenylthioethylbenzyl-β-chloroethylamine	Mouse	sc	LD_{50}*	>1000
1368	2-Methylphenylthioethyl-β-chloroethylamine	Mouse	sc	LD_{50}*	850
1369	2-Methylphenylthioethylethyl-β-chloroethylamine	Mouse	sc	LD_{50}*	60
1370	N-Methylpiperidine	Rabbit	sc	LD	400
1371	Methylpropylenebenzazepine iodide	Mouse Mouse	ip iv		83±6 6.3±0.9
1372	2-Methyl-2-n-propyl-4-hydroxymethyl-1, 3-dioxolane	Mouse	ip	LD_{50}	940.8±70.4
1373	Methylpyridium chloride	Mouse	ip	MLD	220
1374	Methylpyridinium hydroxide	Mouse	ip	MLD	220

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
1273-1431 973-1245			P'Au, J. Pharm. Exp. Ther. 107:459, 1953. Ibid	1352
			Reinhard, J. Pharm. Exp. Ther. 106:444, 1952.	1353
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1354
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1355
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1356
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1357
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1358
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1359
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1360
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1361
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1362
			Berger, Arch. int. pharmacod. 85:474, 1951.	1363
			Marsh, J. Pharm. Exp. Ther. 100:298, 1950.	1364
			Marsh, J. Pharm. Exp. Ther. 100:298, 1950.	1365
			Marsh, J. Pharm. Exp. Ther. 100:298, 1950.	1366
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1367
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1368
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1369
			Wolfenstein, Ber. deut. chem. Ges. 34:2408, 1901.	1370
			Randall, J. Pharm. Exp. Ther. 103:10, 1951. Ibid	1371
			Berger, Arch. int. pharmacod. 85:474, 1951.	1372
			Baxter, J. Clin. Invest. 25:908, 1946.	1373
			Baxter, J. Clin. Invest. 25:908, 1946.	1374

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1375	Methyl salicylate	Guinea pig	or	MLD	700
		Guinea pig	sc	MLD	1500
		Guinea pig	sc	LD	2700-2750
		Rabbit	or	LD	2750-2850
		Rabbit	sc	LD	4250-4350
		Dog	or	LD	2005-2150
		Dog	sc	LD	2250
1376	2-Methyl-2-α-thienyl-4-hydroxymethyl-1, 3-dioxolane	Mouse	ip	LD_{50}	500±60
1377	Methyl thiocyanate	Mouse	sc	LD_{80}	64
		Rat	sc	LD_{20}	29
		Cat	or	LD	8.5
1378	Methylthiouracil	Rabbit	or	MLD	2486
1379	2-Methyl-o-tolyl-4-hydroxy-methyl-1, 3-dioxolane	Mouse	ip	LD_{50}	852.8±97.76
1380	Methyltrimethylammonium iodide	Mouse	ip	LD_{50}	30
1381	Methyl-(β-trimethylammonium)-propionate[2]	Mouse	or	LD_{50}	87
		Mouse	ip	LD_{50}	6.7
1382	Methyl violet 6B	Mouse	rt	LD	25
		Rabbit	or	LD	75[3]
1383	3-Methylxanthine	Frog	sc	LD_{100}	470
		Rabbit	iv	MLD	500
		Dog	iv	MLD	300-400
1384	Methyl-p-xenylacetate ester of β-Piperidinoethanol	Mouse	or	LD_{50}	1160±90
		Mouse	or	LD_{50}	1300±90
		Mouse	sc	LD_{50}	610±50
		Mouse	sc	LD_{50}	690±50
		Mouse	iv	LD_{50}	40±3
		Mouse	iv	LD_{50}	40±3
1385	Metopon	Mouse	sc	LD_{50}	25
1386	Metrazol	Frog	sc	LD	250
		Mouse	sc	LD	80
		Mouse	sc	LD	75-90
		Mouse	ip	LD_{50}	92
		Mouse	ip	MLD	50
		Rat	or	LD	170
		Rat	sc	LD	75-150
		Rat	sc	LD_{50}	100
		Rat	sc	LD_{100}	150
		Rat	ip	LD	70-80
		Rat	ip	MLD	50
		Rat	iv	LD	50
	(continued on next page)	Guinea pig	sc	LD	80-90

/1/ Minutes. /2/ Reversed carboxyl analogue of acetylcholine. /3/ Daily.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Houghton, Am. J. Physiol. 13:331, 1905.	1375
			Ibid	
		8-10 hr	Leone, Arch. farm. sper. 22:327, 1916.	
		2-3 da	Ibid	
		1-3 da	Ibid	
		24 hr	Ibid	
		30 hr	Ibid	
			Berger, Arch. int. pharmacod. 85:474, 1951.	1376
		20-46[1]	Von Oettingen, J. Ind. Hyg. Tox. 18:310, 1936.	1377
		30-55[1]	Ibid	
		20 min	Ibid	
			Simon, Boll. soc. ital. biol. sper. 24:803, 1948.	1378
			Berger, Arch. int. pharmacod. 85:474, 1951.	1379
			Alles, Univ. Cal. Publ. Pharmacol. 1:187, 1939.	1380
			Bass, J. Pharm. Exp. Ther. 100:465, 1950.	1381
			Ibid	
		8 da	Deschiens, C. rend. Soc. biol. 138:838, 1944.	1382
		10 da	Ibid	
			Impens, Arch. int. pharmacod. 10:463, 1902.	1383
			Albanese, Arch. exp. Path. Pharm. 43:305, 1900.	
			Ibid	
		7 da	Lands, J. Pharm. Exp. Ther. 100:19, 1950.	1384
		24 hr	Ibid	
			Ibid	
		24 hr	Ibid	
			Ibid	
		24 hr	Ibid	
			Eddy, Ann. N. Y. Acad. Sci. 51:51, 1948.	1385
			Hildebrandt, Heffter's Hdb. E. 5:154.	1386
			Ibid	
			Ibid	
			McOmie, Fed. Proc. 6:357, 1947.	
			Gros, J. Pharm. Exp. Ther. 87:291, 1946.	
			Hildebrandt, Heffter's Hdb. E. 5:154.	
			Ibid	
			Gros, Arch. exp. Path. Pharm. 182:348, 1936.	
			Ibid	
			Hildebrandt, Heffter's Hdb. E. 5:154.	
			Gros, J. Pharm. Exp. Ther. 87:291, 1946.	
			Hildebrandt, Heffter's Hdb. E. 5:154.	
			Ibid	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1386	Metrazol (concluded)	Guinea pig	ip	LD	90
		Rabbit	sc	LD	75-100
		Rabbit	iv	MLD	70
		Cat	sc	LD	75
		Cat	iv	LD	80
1387	Metycaine HCl	Mouse	sc	LD_{50}	800
		Rat	sc	LD_{50}	1300
		Rat	ip	LD_{50}	120
		Rat	iv	LD_{50}	20
		Rabbit	iv	LD_{50}	28
1388	Milloside	Cat	iv	LD_{50}	1.330
1389	Mintacol	Frog	sc	MLD	30
		Mouse	sc	MLD	2
		Mouse	sc	MLD	0.6-0.8
		Rat	or	MLD	3
1390	Miracil D	Mouse	or	LD_{50}	500
		Mouse	iv	LD_{50}	45
1391	Molybdenum trioxide	Guinea pig	ip	LD_{75}	400
1392	Monacetin	Mouse	sc	LD_{50}	4200
		Rat	sc	LD_{50}	6600
1393	Monocaine HCl	Mouse	sc	LD_{50}	449±26.1
		Mouse	ip	LD_{50}	203.0±7.9
		Mouse	iv	LD_{50}	43.2±0.95
		Rat	ip	LD_{50}	182.3±4.8
		Rat	iv	LD_{50}	28.2±1.6
1394	Mono-o-cresol-phosphate	Rat	iv	LD	800-1000
		Rabbit	iv	LD	>700
		Cat	iv	LD	200
1395	Monofluoroethanol	Rat	ip	LD_{50}	5
1396	Monoiodoacetic acid	Dog	iv	LD	60
1397	Monomethylarsinic acid disodium	Mouse	sc	MLD	3350
		Rabbit	iv	MLD	600
		Chicken	im	MLD	2000
1398	Monomethylnicotinium iodide	Mouse	ip	LD	5.4
		Rabbit	iv	LD	0.45
1399	Monopropylenemethylether	Rat	or	LD_{50}	6.6 cc
1400	Morphine	Frog	sc	LD	600-800
		Mouse	sc	LD_{50}	700
		Mouse	sc	LD_{50}	531
		Mouse	iv	LD	226-318
		Rat	sc	LD	400
		Guinea pig	sc	LD	500-580
	(continued on next page)	Rabbit	sc	LD_{50}	266[1]

/1/ Hydrochloride.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Hildebrandt, Heffter's Hdb. E. 5:154.	1386
			Ibid	
			Werner, J. Pharm. Exp. Ther. 66:260, 1939.	
			Hildebrandt, Heffter's Hdb. E. 5:154.	
			Ibid	
			Rose, J. Lab. Clin. Med. 15:731, 1930.	1387
			Ibid	
			Ibid	
			Ibid	
			Ibid	
1.244-1.390	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1388
	H_2O+cello		Hecht, Arch. exp. Path. Pharm. 211:264, 1950.	1389
	Oil		Ibid	
	H_2O+cello		Ibid	
	H_2O+det		Ibid	
			Kikuth, Ann. Trop. Med. Parasitol. 42:256, 1948.	1390
			Wood, Q. J. Pharm. Pharmacol. 20:31, 1947.	
		4 da	Fairhall, Pub. Health Bull. 293:1945.	1391
			Latven, J. Pharm. Exp. Ther. 65:89, 1939.	1392
			Ibid	
			Schramp, Anesthesiology 3:398, 1942.	1393
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Smith, J. Pharm. Exp. Ther. 51:217, 1934.	1394
			Ibid	
		<18 hr	Ibid	
			Bartlett, J. Pharm. Exp. Ther. 106:464, 1952.	1395
		$26\frac{1}{2}$ hr	Dobrowolski, Arch. int. pharmacod. 45:428, 1933.	1396
		4 da	Castelli, Arch. Trop. Hyg. 16:605, 1912.	1397
		6 da	Ibid	
		1 da	Ibid	
			Larson, J. Pharm. Exp. Ther. 77:343, 1943.	1398
			Ibid	
			Rowe, Arch. Ind. Hyg. Occ. Med. 9:509, 1954.	1399
			Flury, Abderhalden's Hdb. 4.7b:1367.	1400
			Eddy, J. Pharm. Exp. Ther. 67:127, 1939.	
			Eddy, Ann. N. Y. Acad. Sci. 51:51, 1948.	
			Buchwald, J. Pharm. Exp. Ther. 71:197, 1941.	
			Flury, Abderhalden's Hdb. 4.7b:1367.	
			Ibid	
			Eddy, J. Pharm. Exp. Ther. 71:197, 1939.	

Compound		Animal	Route	Dose	Dosage mg/kg Value
1400	Morphine (concluded)	Rabbit	sc	LD	400-800
		Rabbit[1]	ip	LD_{50}	150[2]
		Rabbit[3]	ip	LD_{50}	500[2]
		Cat	sc	MLD	40-80
		Dog	sc	LD	210
1401	Morphine sulfate	Frog[4]	sc	LD_{50}	903±110
		Turtle	sc	LD_{50}	253±51
		Mouse	sc	MLD	250
		Mouse	sc	LD_{50}	311±53
		Mouse	sc	LD_{50}	360±18
		Mouse	iv	LD_{50}	230±25
		Rat	or	LD_{50}	905±144
		Rat	sc	LD_{50}	299±46
		Rat	sc	LD_{50}	600±72
		Rat	ip	LD_{100}	920
		Rat	iv	LD_{50}	237±6
		Guinea pig	or	MLD	1000
		Guinea pig	sc	MLD	400
		Guinea pig	sc	LD_{50}	391±25
		Guinea pig	im	MLD	400
		Hamster	sc	LD_{50}	1250
		Pigeon	iv	LD_{50}	321±32
		Duck[1]	iv	LD_{50}	213±32
1402	Morpholine	Rat	or	LD_{50}	1600
		Rat	or	LD_{50}	4580[2]
		Rat	or	LD_{50}	1050
		Guinea pig	or	LD_{50}	900
		Rabbit	ct	LD*	900
		Rabbit	ct	LD	0.50 cc
1403	Musaroside	Cat	iv	LD_{50}	0.4809
1404	Muscarine (native)	Frog	sc	LD*	0.4
		Frog[5]	sc	LD	0.1
		Frog[6]	sc	LD	1
		Cat	sc	LD	1.1[7]
		Cat	sc	LD	3.4[8]
		Cat	sc	LD	8-12[8]
1405	Muscarine (choline)	Frog	sc	LD*	1.2
		Rabbit	or	LD*	268
		Rabbit	sc	LD*	30
		Cat	or	LD*	28.6
		Cat	sc	LD	2.8
1406	Mustard gas	Mouse	sc	LD_{50}	26
		Mouse	ct	LD_{50}	92
		Mouse	iv	LD_{50}	8.6
		Rat	sc	LD_{50}	9
		Rat	sc	LD_{50}	3.2[10]
		Rat	iv	LD_{50}	0.7
	(continued on next page)	Rat	ct	LD_{50}*	18

/1/ Young. /2/ Hydrochloride. /3/ Adult. /4/ Leopard frog. /5/ Rana esculenta. /6/ R.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Flury, Abderhalden's Hdb. 4.7b:1367.	1400
			Chesler, J. Pharm. Exp. Ther. 75:363, 1942.	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1367.	
			Ibid	
			Henderson, Arch. int. pharmacod. 79:282, 1949.	1401
			Ibid	
			Nedzel, J. Lab. Clin. Med. 22:1031, 1937.	
			Chen, Ann. N. Y. Acad. Sci. 51:83, 1948.	
			Randall, J. Pharm. Exp. Ther. 99:163, 1950.	
			Ibid	
			Finnegan, J. Pharm. Exp. Ther. 92:269, 1948.	
			Chen, Ann. N. Y. Acad. Sci. 51:83, 1948.	
			Randall, J. Pharm. Exp. Ther. 99:163, 1950.	
		1 hr	Chesler, J. Pharm. Exp. Ther. 75:363, 1942.	
			Finnegan, J. Pharm. Exp. Ther. 92:269, 1948.	
			Hatcher, J. Am. Med. Assoc. 63:469, 1914.	
			Ibid	
			Chen, Ann. N. Y. Acad. Sci. 51:83, 1948.	
			Hatcher, J. Am. Med. Assoc. 63:469, 1914.	
			Houchin, Proc. Soc. Exp. Biol. Med. 54:339, 1943.	
			Henderson, Arch. int. pharmacod. 79:282, 1949.	
			Ibid	
	H_2O		Shea, J. Ind. Hyg. Tox. 21:236, 1939.	1402
4060-5160			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	
950-1160			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	
	H_2O		Shea, J. Ind. Hyg. Tox. 21:236, 1939.	
			Ibid	
0.31-0.81 cc			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	
0.3063-1.7481	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1403
			Fühner, Heffter's Hdb. 1:644.	
			Flury, Abderhalden's Hdb. 4.7b:1368.	
			Ibid	
			Ibid	
		Sev hr	Ibid	
		10-15[9]	Ibid	
			Fühner, Heffter's Hdb. 1:644.	1405
			Fühner, Arch. exp. Path. Pharm. 61:283, 1909.	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1369.	
			Ibid	
	Prop gly		Anslow, J. Pharm. Exp. Ther. 93:1, 1948.	1406
	Prop gly		Ibid	
	Prop gly		Ibid	
	Prop gly		Ibid	
			Ibid	
	Prop gly		Ibid	
			Ibid	

temporaria. /7/ Base. /8/ Sulfate. /9/ Minutes. /10/ Undiluted.

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1406	Mustard gas (concluded)	Rabbit	iv	LD$_{50}$	2.7
		Rabbit	iv[1]	LD	3.6[2]
		Rabbit	iv[3]	LD$_{50}$	4.5[2]
		Dog	sc	LD	100
		Dog	im	LD	14
		Dog	im	LD	20
		Dog	iv	LD	11.1
1407	Myanesin	Mouse	or	LD$_{50}$	2.83±3.8[4]
		Mouse	or	LD$_{50}$	990[5]
		Mouse	ip	LD$_{50}$	10.53±5.1[4]
		Mouse	ip	LD$_{50}$	600.0±22.4
1408	Myristicin	Frog	sc	LD	800
		Cat	or	LD	570
		Cat	sc	LD	4000[6]
		Dog	iv[3]	LD	571
1409	Myristil-γ-picolinium chloride	Rat	or	LD$_{50}$	250
		Rat	sc	LD$_{50}$	200
		Rat	ip	LD$_{50}$	7.5
		Rat	iv	LD$_{50}$	30
1410	Nabam	Rat	or	LD$_{50}$	395
1411	Naphthaleneacetic acid	Rat	or	LD$_{50}$*	1000
1412	α-Naphthol	Rabbit	or	LD	9000
		Rabbit	sc	LD	3400-4000
		Cat	or	LD	100-150
		Dog	sc	LD	330
1413	β-Naphthol	Frog	sc	LD	30-100 ✓
		Rat	sc	LD	2940
		Guinea pig	sc	LD	2670
		Rabbit	or	LD	3800
		Rabbit	or	LD	3000 ✓
		Rabbit	iv	LD	130
		Rabbit	iv	LD	80 ✓
		Cat	or	LD	100-150 ✓
1414	α-Naphthylamine	Rabbit	sc	LD	300-400
		Dog	sc	LD	400
1415	1-Naphthyloxyethylethyl-β-chloroethylamine	Mouse	sc	LD$_{50}$*	35
1416	2-Naphthyloxyethylethyl-β-chloroethylamine	Mouse	iv	LD$_{50}$*	70
1417	Narcotine	Frog	sc	MLD	2000
		Rat[7]	ip	LD$_{50}$	825
	(continued on next page)	Rat[8]	ip	LD$_{50}$	800

/1/ Rapid injection. /2/ Undiluted. /3/ Slow injection. /4/ Millimoles per kilo. /5/ 97-

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
	Prop gly		Anslow, J. Pharm. Exp. Ther. 93:1, 1948.	1406
			Ibid	
			Ibid	
		5-6 hr	Lynch, J. Pharm. Exp. Ther. 12:265, 1920.	
		77 hr	Ibid	
		13 hr	Ibid	
		24 hr	Ibid	
			Dresel, Proc. Soc. Exp. Biol. Med. 79:286, 1952.	1407
			Reinhard, J. Pharm. Exp. Ther. 106:144, 1952.	
			Dresel, Proc. Soc. Exp. Biol. Med. 79:286, 1952.	
		24 hr	Berger, J. Pharm. Exp. Ther. 93:362, 1948.	
		5 hr	Rimini, Arch. farm. terap. 14:293, 1908.	1408
		2 da	Power, Am. J. Pharm. 80:563, 1909.	
	G acacia	8 hr	Rimini, Arch. farm. terap. 14:293, 1908.	
	Oil	1 hr	Ibid	
			Lehman, Q. Bull. Assoc. F. &D. Off. 18:43, 1954.	1409
			Ibid	
			Ibid	
			Ibid	
			Smith, J. Pharm. Exp. Ther. 109:159, 1953.	1410
			Lehman, Q. Bull. Assoc. F. &D. Off. 15:122, 1951.	1411
			Maximowitch, C. rend. Acad. sc. 106:1411, 1888.	1412
			Ibid	
			Lesage, C. rend. Soc. biol. 56:852, 853, 1904.	
			Neisser, Zbl. med. Wiss. 19:545, 1881.	
			Willenz, Therap. Monatsh. 2:20, 67, 116, 1888.	1413
			Risi, Arch. exp. Path. Pharm. 186:195, 1937.	
			Ibid	
			Bouchard, C. rend. Soc. biol. 105:702, 1897.	
			Maximowitch, C. rend. Acad. sc. 106:1441, 1888.	
	Alcohol		Ibid	
			Bouchard, C. rend. Soc. biol. 105:702, 1897.	
			Lesage, C. rend. Soc. biol. 56:852, 853, 1904.	
			Pitini, Arch. ital. biol. 29:132, 1898.	1414
			Ibid	
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1415
		10 da	Niekerson, J. Pharm. Exp. Ther. 101:379, 1951.	1416
			Chopra, Ind. J. M. Res. 18:35, 1930.	1417
			Dromond, Acta pharm. tox. 6:234, 1950.	
			Ibid	

103% error. /6/ Suspension in gum acacia solution. /7/ 1½ months old. /8/ 2-4 months old.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1417	Narcotine (concluded)	Rat[1]	ip	LD_{50}	750
		Cat	or	MLD	2000
		Cat	sc	MLD	1500-2000
		Cat	iv[2]	LD	40
		Cat	iv[3]	LD	70
1418	Neoantergan HCl	Mouse	sc	LD_{50}	150
		Mouse	ip	LD_{50}	90±6.9[4]
		Mouse	ip	LD_{50}	115
		Mouse	iv	LD_{50}	30
		Rat	sc	LD_{50}	150
		Guinea pig	sc	LD_{50}	70
1419	Neoarsphenamine	Mouse	iv	MLD	250
		Rat	iv	LD_{50}	280-520
		Rat	iv	LD_{100}	400[5]
		Rabbit	iv	MLD	250-300
1420	Neodymium chloride	Frog	sc	LD	250
		Mouse	sc	LD_{50}	4000
		Guinea pig	iv	LD	70
		Rabbit	iv	LD_{50}	200-250[6]
1421	Neogermitrine	Mouse	ip	LD_{50}	0.51
1422	Neohetramine HCl	Mouse	or	LD_{50}	245[7]
		Mouse	ip	LD_{50}	119[8]
		Guinea pig	or	LD_{50}	493[9]
1423	Neomycin sulfate	Mouse	or	LD_{50}	>865,000[10]
		Mouse	sc	LD_{50}	36,000[10]
		Mouse	ip	LD_{50}	35,000[10]
		Mouse	iv	LD_{50}	4450[10]
		Rat	or	LD_{50}	>865,000[10]
		Rat	sc	LD_{50}	92,000[10]
1424	Neonal	Rat	sc	MLD	190
		Rat	ip	MLD	135
		Rabbit	or	MLD	160
		Rabbit	ip	MLD	115
1425	Neostigmine	Mouse	or	LD_{50}	7.5±1.4
		Mouse	sc	LD_{50}	0.42±0.07
		Mouse	iv	LD_{50}	0.16±0.03
		Rat	sc	LD_{50}	0.37
		Rat	iv	LD_{50}	0.165
		Rabbit	sc	MLD	12.5
		Dog	sc	MLD	13.5
		Dog	iv	LD	20
1426	Neostigmine methylsulfate	Mouse	or	LD_{50}	14.4
		Mouse	sc	LD_{50}	0.6±0.08
		Mouse	iv	LD_{50}	0.36±0.02
		Rabbit	im	LD_{50}	0.31±0.034
1427	Neo-synephrine	Mouse	sc	LD	1000

/1/Mature animals. /2/Rapid injection. /3/Slow injection. /4/ 93-107% error. /5/Freshly
/8/96-105% error. /9/73-139% error. /10/Units. /11/Emulsion.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Dromond, Acta. pharm. tox. 6:234, 1950.	1417
		2 hr	Chopra, Ind. J. Med. Res. 18:35, 1930.	
			Ibid	
			Cooper, J. Pharm. Exp. Ther. 51:411, 1934.	
			Ibid	
			Loew, Physiol. Rev. 27:542, 1947.	1418
			Sherrod, J. Pharm. Exp. Ther. 89:247, 1947.	
			Castillo, J. Pharm. Exp. Ther. 95:388, 1949.	
			Loew, Physiol. Rev. 27:542, 1947.	
		48 hr	Halpern, C. rend. Soc. biol. 144:887, 1950.	
			Loew, Physiol. Rev. 27:542, 1947.	
			Flury, Abderhalden's Hdb. 4.7b:1309.	1419
			Sampson, J. Am. Pharm. Assoc. 25:1106, 1936.	
			Schamberg, Am. J. Syph. Neurol. 18:37, 1934.	
			Flury, Abderhalden's Hdb. 4.7b:1309.	
			Guidi, Arch. int. pharmacod. 37:305, 1930.	1420
			Vincke, Arch. exp. Path. Pharm. 188:465, 1938.	
		Instant	Guidi, Arch. int. pharmacod. 37:305, 1930.	
	H_2O		Vincke, Arch. exp. Path. Pharm. 188:465, 1938.	
0.41-0.63			Swiss, Proc. Soc. Exp. Biol. Med. 76:847, 1951.	1421
			Reinhard, Proc. Soc. Exp. Biol. Med. 66:512, 1947.	1422
			Ibid	
			Ibid	
	H_2O^{11}		Spencer, Fed. Proc. 9:317, 1950.	1423
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Nielson, J. Pharm. Exp. Ther. 26:371, 1926.	1424
			Fitch, J. Pharm. Exp. Ther. 44:325, 1932.	
			Ibid	
			Ibid	
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	1425
			Ibid	
			Ibid	
0.346-0.396			Haley, J. Am. Pharm. Assoc. 39:12, 1950.	
0.152-0.179			Ibid	
		40 min	Heathcote, J. Pharm. Exp. Ther. 46:375, 1932.	
		3 hr	Ibid	
			Polonowski, C. rend. Acad. sc. 181:887, 1925.	
			Brown, Arch. int. pharmacod. 81:276, 1950.	1426
			Ibid	
			Ibid	
			Ibid	
			Kuschinsky, Arch. exp. Path. Pharm. 162:46, 1931.	1427

prepared. /6/ 1% solution in H_2O injected at rate of 4 cc per minute. /7/ 91-110% error.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1428	Neriin	Frog	sc	LD	20-50
		Mouse	sc	LD	95
		Dog	iv	LD	0.85
1429	Neurine	Mouse	sc	LD	46
		Rabbit	or	LD	90
		Rabbit	sc	LD	40-50
		Dog	sc	LD	40-50
1430	Neutral Red	Mouse	iv	LD$_{50}$	141.62
		Rat	iv	LD$_{50}$	112.42
		Rabbit	iv	LD$_{50}$	96.6
1431	Nickel chloride, $NiCl_2.6H_2O$	Frog	sc	LD	150-200
		Dog	iv	LD	40-80
1432	Nickel sulfate, $NiSO_4.6H_2O$	Guinea pig	sc	LD	62
		Rabbit	sc	LD	500-1000
		Dog	sc	LD	500-1000
1433	Nicotinaldehyde thiosemicarbazone	Mouse	or	LD$_{50}$	340
1434	Nicotinamide	Rat	sc	LD$_{50}$	1680
1435	Nicotinamide methochloride	Rat	sc	LD$_{50}$	2400
1436	Nicotine	Mouse	or	MLD	24
		Mouse	sc	MLD	16
		Mouse	iv	MLD	0.8
		Mouse	iv	LD$_{50}$	7.1
		Rat	sc	LD$_{60}$	33.5
		Rat	iv	MLD	1
		Guinea pig[1]	sc	MLD	15
		Guinea pig[2]	sc	MLD	40
		Guinea pig	iv	MLD	4.5
		Rabbit	ct	LD	50-60
		Rabbit	sc	LD	20
		Rabbit	iv	MLD	30-45
		Rabbit	iv	LD$_{50}$	9.4
		Dog	iv	LD$_{50}$	5
		Dog	iv	LD	3
		Pigeon	sc	LD	4.58
1437	Nicotine (base)	Frog	sc	LD	40
		Rat	or	LD$_{50}$*	50-60
		Rat	sc	LD	50-60
		Rabbit	ct	LD$_{50}$	50
		Cat	iv	LD	6.1
1438	α-Nicotine	Frog	sc	LD	600
		Rat	sc	LD	320-640
		Cat	iv	LD	6.1
1439	D-Nicotine HCl	Rat	ip	MLD	23.5
		Guinea pig	ip	MLD	33

/1/ Small animals. /2/ Large animals.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Lendle, Heffter's Hdb. E. 1:78.	1428
			Ibid	
			Ibid	
			Hunt, J. Pharm. Exp. Ther. 28:367, 1926.	1429
			Flury, Abderhalden's Hdb. 4. 7b:1372.	
			Ibid	
			Ibid	
			Stolarsky, Fed. Proc. 10:337, 1951.	1430
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1373.	1431
			Caujolle, J. pharm. chim. 29:391, 1939.	
			Hendrych, Heffter's Hdb. 3. 2:1446.	1432
			Ibid	
			Ibid	
			Grunberg, Proc. Soc. Exp. Biol. Med. 77:47, 1951.	1433
			Brazda, Proc. Soc. Exp. Biol. Med. 62:19, 1946.	1434
			Brazda, Proc. Soc. Exp. Biol. Med. 62:19, 1946.	1435
			Heubner, Arch. exp. Path. Pharm. 188:605, 1938.	1436
			Ibid	
			Chen, Proc. Soc. Exp. Biol. Med. 38:241, 1938.	
		Prompt	Larson, J. Pharm. Exp. Ther. 95:506, 1949.	
			Behrend, J. Pharm. Exp. Ther. 48:317, 1933.	
		Prompt	Chen, Proc. Soc. Exp. Biol. Med. 38:241, 1938.	
			Hatcher, Am. J. Physiol. 11:17, 1904.	
			Ibid	
		Prompt	Chen, Proc. Soc. Exp. Biol. Med. 38:241, 1938.	
			Div. Pharm. F. & D. Adm. Q. Rpt. 7, March 1948.	
			Hatcher, Am. J. Physiol. 11:17, 1904.	
			Flury, Abderhalden's Hdb. 4. 7b:1374.	
			Larson, J. Pharm. Exp. Ther. 95:506, 1949.	
			Ibid	
			Franke, Proc. Soc. Exp. Biol. Med. 29:1177, 1932.	
			Flury, Abderhalden's Hdb. 4. 7b:1374.	
			Oosterhuis, Rec. Trav. Chim. Pays-Bas 55:729, 1936.	1437
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
			Oosterhuis, Rec. Trav. Chim. Pays-Bas 55:729, 1936.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
			Macht, J. Pharm. Exp. Ther. 50:93, 1934.	
			Oosterhuis, Rec. Trav. Chim. Pays-Bas 55:729, 1936.	1438
			Ibid	
			Macht, J. Pharm. Exp. Ther. 50:93, 1934.	
			Hicks, Austral. J. Exp. Biol. 25:83, 1947.	1439
			Ibid	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1440	L-Nicotine HCl	Mouse	ip	MLD	10
		Rat	ip	MLD	20-23.5
		Guinea pig	ip	MLD	32
		Rabbit	iv	MLD	6.5
1441	Nicotinic acid, sodium salt	Mouse	iv	MLD	4500
		Rat	or	LD_{50}	7000
		Rat	sc	LD_{50}	5000
		Rat	sc	LD_{50}	5000
		Rat	iv	MLD	3500
		Guinea pig	iv	MLD	3500
1442	Nisentil HCl	Mouse	sc	LD_{50}	98
		Mouse	sc	LD_{50}	115±31
		Mouse	ip	LD_{50}	73
		Mouse	ip	LD_{50}	85±12
		Mouse	iv	LD_{50}	54
		Mouse	iv	LD_{50}	32±5
		Rat	sc	LD_{50}	23
		Rat	sc	LD_{50}	50±8
		Rat	ip	LD_{50}	22
		Rabbit	iv	LD_{50}	18.5
		Rabbit	iv	LD_{50}	22
1443	Nitrobenzene	Mouse	ct	MLD	480
		Rat	sc	LD	800[1]
		Rat	ip	LD	500[1]
		Guinea pig	sc	LD	800[1]
		Guinea pig	ip	LD	500
		Rabbit	or	LD	600-720
		Rabbit	ct	LD	2500
		Rabbit	ct	LD	10,000
		Rabbit	sc	LD	600
		Dog	or	LD	750-1000
		Dog	iv	LD	150-250
1444	Nitrocholine	Mouse	sc	LD	210
1445	2-Nitro-2-ethyl-1,3-propandiol-butyraldehyde acetal	Mouse	or	LD_{50}	3.1 cc
		Rat	or	LD_{50}	1.95 cc
1446	Nitroglycerol	Frog	sc	MLD	475
		Rat	or	MLD	80-100
		Rat	im	MLD	150-400
		Rabbit	sc	LD_{100}	500[2]
		Rabbit	im	MLD	400-500
		Rabbit	iv	MLD	45[3]
		Cat	sc	LD_{100}	200[2]
1447	Nitroglycol (Mono-)	Rabbit	sc	LD	300
		Cat	sc	LD	100
1448	Nitromethane	Dog	sc	LD	569-1138

/1/ Emulsion in gum arabic solution. /2/ Technical grade. /3/ 10% solution in alcohol.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Larson, J. Pharm. Exp. Ther. 77:343, 1943.	1440
			Hicks, Austral. J. Exp. Biol. 25:83, 1947.	
			Ibid	
			Larson, J. Pharm. Exp. Ther. 77:343, 1943.	
		Prompt	Chen, Proc. Soc. Exp. Biol. Med. 38:241, 1938.	1441
			Unna, J. Pharm. Exp. Ther. 73:85, 1941.	
			Ibid	
			Brazda, Proc. Soc. Exp. Biol. Med. 62:19, 1946.	
		Prompt	Chen, Proc. Soc. Exp. Biol. Med. 38:241, 1938.	
			Ibid	
			Gruber, J. Pharm. Exp. Ther. 99:312, 1950.	1442
			Randall, J. Pharm. Exp. Ther. 93:314, 1948.	
			Gruber, J. Pharm. Exp. Ther. 99:312, 1950.	
			Randall, J. Pharm. Exp. Ther. 93:314, 1948.	
			Gruber, J. Pharm. Exp. Ther. 99:312, 1950.	
			Randall, J. Pharm. Exp. Ther. 93:314, 1948.	
			Gruber, J. Pharm. Exp. Ther. 99:312, 1950.	
			Randall, J. Pharm. Exp. Ther. 93:314, 1948.	
			Gruber, J. Pharm. Exp. Ther. 99:312, 1950.	
			Ibid	
			Randall, J. Pharm. Exp. Ther. 93:314, 1948.	
			Shimkin, Proc. Soc. Exp. Biol. Med. 42:844, 1939.	1443
	G arabic		Ellinger, Heffter's Hdb. 1:1034.	
	G arabic		Ibid	
	G arabic		Flury, Abderhalden's Hdb. 4. 7b:1375.	
			Ibid	
			Ibid	
		$8\frac{1}{2}$ hr	Ibid	
		$4\frac{1}{2}$ hr	Ibid	
		52 hr	Ibid	
			Gibbs, Dubois'Arch. f. Physiol. Suppl. p259, 1892.	
			Ibid	
			Hunt, J. Pharm. Exp. Ther. 25:315, 1925.	1444
			Div. Pharm. F. & D. Adm. Q. Rpt. 4, June 1946.	1445
			Ibid	
			Orestano, Arch. ital. farm. 6:153, 1937.	1446
			Ibid	
			Ibid	
			Gross, Arch. exp. Path. Pharm. 200:271, 1942.	
			Orestano, Arch. ital. farm. 6:153, 1937.	
	Alcohol		Oltman, J. Pharm. Exp. Ther. 41:121, 1931.	
			Gross, Arch. exp. Path. Pharm. 200:271, 1942.	
			Gross, Arch. exp. Path. Pharm. 200:271, 1952.	1447
			Ibid	
		24 hr	Gibbs, Am. Chem. J. 13:361, 1891.	1448

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1449	2-Nitro-2-methyl-1, 3-propandiol	Mouse	or	LD_{50}	6.3 cc
		Rat	or	LD_{50}	4.0 cc
1450	2-Nitro-2-methyl-1, 3-propandiol-butyraldehyde acetal	Mouse	or	LD_{50}	5.4 cc
1451	m-Nitrophenol	Dog	iv	MLD	83
1452	o-Nitrophenol	Frog	sc	LD	300
		Mouse	im	LD	600
		Rabbit	sc	LD	1700
		Cat	sc	LD	600
		Dog	iv	LD	100
1453	p-Nitrophenol	Frog	sc	MLD	50
		Rabbit	sc	MLD	600
		Cat	sc	MLD	197
		Dog	iv	LD	10
1454	p-Nitrophenyldimethylthionophosphate	Rat	or	LD_{50}*	12.7
		Rat	ip	LD_{50}*	3.5
1455	Noctal	Rat	sc	LD_{50}	90
		Rat	sc	MLD	90-160
		Rat	ip	LD	60
		Rabbit	or	MLD	300-350
		Rabbit	or	MLD	255
		Rabbit	ip	LD	120
1456	n-Nonyltrimethylammonium iodide	Mouse	ip	LD_{50}	46
1457	D-Nornicotine	Rat	ip	MLD	6
		Guinea pig	ip	MLD	10
1458	DL-Nornicotine	Rat	ip	MLD	10.5
1459	L-Nornicotine	Mouse	ip	LD	22
		Rat	ip	MLD	23.5
		Guinea pig	ip	MLD	28
		Rabbit	iv	LD	3
1460	Numal	Rat	sc	LD_{50}	100
		Rat	sc	MLD	100-175
1461	Nupercaine	Frog	sc	MLD	55-60
		Mouse	sc	MLD	70
		Guinea pig	sc	MLD	11.2
		Guinea pig	iv	MLD	3-4
		Rabbit	sc	MLD	5-35
		Rabbit	sc	LD	8.5
		Rabbit	iv	LD_{50}	2.5
		Rabbit	iv	MLD	2.4-4.5
		Dog	sc	MLD*	25
		Dog	iv	MLD	2.5-3.0[1]
1462	Nydracide (see also Isonicotinyl hydrazide)	Mouse	or	LD_{50}	190±6
		Mouse	sc	LD_{50}	170±5
		Mouse	iv	LD_{50}	165±4
		Dog	iv	LD_{50}*	50

/1/ 1% solution.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	1449
			Ibid	
	Corn oil		Div. Pharm. F. & D. Adm. Q. Rpt. 2, Dec. 1946.	1450
			Gibbs, Dubois' Arch. f. Physiol. Suppl. p259, 1892.	1451
			Levy, Dissert., Würzburg 1902.	1452
			Beutner, Proc. Pharm. Soc. 1941.	
			Levy, Dissert., Würzburg 1902.	
			Ibid	
			Gibbs, Dubois' Arch. f. Physiol. Suppl. p259, 1892.	
			Levy, Dissert., Würzburg, 1902.	1453
			Ibid	
			Ibid	
			Gibbs, Dubois' Arch. f. Physiol. Suppl. p259, 1892.	
			DuBois, Fed. Proc. 9:269, 1950.	1454
			DuBois, Arch. Ind. Hyg. Occ. Med. 6:9, 1952.	
			Vogt, Arch. exp. Path. Pharm. 152:341, 1930.	1455
			Gros, Arch. exp. Path. Pharm. 182:348, 1936.	
			Fitch, J. Pharm. Exp. Ther. 44:325, 1932.	
			Maloney, J. Pharm. Exp. Ther. 42:267, 1931.	
			Schlossman, Heffter's Hdb. E. 2:149.	
			Ibid	
			Alles, Univ. Cal. Publ. Pharmacol. 1:187, 1939.	1456
			Hicks, Austral. J. Exp. Biol. 25:83, 1947.	1457
			Ibid	
			Hicks, Austral. J. Exp. Biol. 25:83, 1947.	1458
			Larson, J. Pharm. Exp. Ther. 77:343, 1943.	1459
			Hicks, Austral. J. Exp. Biol. 25:83, 1947.	
			Ibid	
			Larson, J. Pharm. Exp. Ther. 77:343, 1943.	
			Vogt, Arch. exp. Path. Pharm. 152:341, 1930.	1460
			Gros, Arch. exp. Path. Pharm. 182:348, 1936.	
		4-5 hr	Führer, Arch. exp. Path. Pharm. 166:437, 1932.	1461
		1 hr	Ibid	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
			Uhlmann, Arch. int. pharmacod. 36:253, 1929.	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
			Wahl, Proc. Soc. Exp. Biol. Med. 29:368, 1932.	
			Ibid	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
	N saline		Bond, J. Lab. Clin. Med. 16:447, 1931.	
			Ibid	
			Rubin, Am. Rev. Tuberc. 65:392, 1952.	1462
			Ibid	
			Ibid	
			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1463	Nydrazid (see also Isonicotinyl hydrazide)	Mouse	or	LD_{50}	190±6
		Mouse	sc	LD_{50}	170±5
		Mouse	iv	LD_{50}	165±4
		Dog	iv	LD_{50}*	50
1464	Octane-1, 8-diamine 2HCl	Mouse	ip	LD_{50}	3.5
1465	Octin	Mouse	sc	LD_{50}	171[1]
		Mouse	sc	MLD	100
		Mouse	iv	LD_{50}	17.5[1]
		Rabbit	sc	LD_{50}	101[1]
		Rabbit	iv	LD_{50}	17.6[1]
		Dog	or	LD_{50}	148[2]
		Dog	sc	LD_{50}	76.3[1]
		Dog	iv	LD_{50}	25.8[1]
1466	Octyl thiocyanate	Mouse	sc	MLD	730
		Rat	sc	MLD	500
		Cat	or	LD	264
1467	n-Octyltrimethylammonium iodide	Mouse	ip	LD_{50}	60
1468	Odorobioside G monoacetate	Cat	iv	LD_{50}	0.6705
1469	Odorobioside K	Cat	iv	LD_{50}	2.29
1470	Odoroside D	Cat	iv	LD_{50}	0.594
1471	Odoroside H monoacetate	Cat	iv	LD_{50}	0.2732
1472	Odoroside K	Cat	iv	LD_{50}	4.735
1473	Odorotrioside G monoacetate	Cat	iv	LD_{50}	0.6222
1474	Oleandrin	Frog	sc	LD	2.25
1475	Oleylpolyoxethylene glycol ether	Rat	ip	LD_{50}	235
1476	OMPA	Mouse	or	LD_{50}	30.0±3.1
		Mouse	ip	LD_{50}	17
		Mouse	ip	LD_{50}	8
		Rat	or	LD_{50}*	13.5
		Rat♀	or	LD_{50}	35.5±3.4
		Rat♂	or	LD_{50}	13.5±0.34
		Rat	ip	LD_{50}	8-8.5
		Guinea pig	or	LD_{50}	15.0±0.88
		Guinea pig	ip	LD_{50}	10
		Rabbit	ct	LD_{50}	<780[3]
		Dog	iv	LD_{50}	5-10
1477	Onyxide	Rat	or	LD_{50}	500
		Guinea pig	or	LD_{50}	158
1478	Optochin	Frog	sc	MLD	350
		Mouse	sc	LD	5000
1479	Ortal sodium	Rat	ip	LD_{50}	240-250
1480	Orthotran	Rat	or	LD_{50}	2000

/1/ Hydrochloride. /2/ Mucate. /3/ 20% solution in H_2O.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Report from Squibb & Sons. Ibid Ibid Ibid	1463
			Alles, J. Pharm. Exp. Ther. 107:332, 1953.	1464
			Walton, J. Pharm. Exp. Ther. 92:214, 1948. Fiegenbaum, Dissert., Münster. Walton, J. Pharm. Exp. Ther. 92:214, 1948. Ibid Ibid Ibid Ibid Ibid	1465
		1 1/3-16 hr 4-72 hr 15 hr	Von Oettingen, J. Ind. Hyg. Tox. 18:310, 1936. Ibid Ibid	1466
			Alles, Univ. Cal. Publ. Pharmacol. 1:187, 1939.	1467
0.3414-1.154	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1468
1.465-3.322	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1469
0.4064-1.1433	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1470
0.1949-0.3564	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1471
3.149-9.340	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1472
0.4745-0.8036	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1473
			Lendle, Heffter's Hdb. E. 1:78.	1474
			Sweeney, J. Am. Pharm. Assoc. 42:556, 1953.	1475
	H_2O		Frawley, J. Pharm. Exp. Ther. 105:156, 1952. DuBois, J. Pharm. Exp. Ther. 99:376, 1950. Ibid Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951. Frawley, J. Pharm. Exp. Ther. 105:156, 1952. Ibid DuBois, J. Pharm. Exp. Ther. 99:376, 1950. Frawley, J. Pharm. Exp. Ther. 105:156, 1952. DuBois, J. Pharm. Exp. Ther. 99:376, 1950. Lehman, Q. Bull. Assoc. F. & D. Off. 16:3, 1952. DuBois, J. Pharm. Exp. Ther. 99:376, 1950.	1476
			Lehman, Q. Bull. Assoc. F. & D. Off. 18:43, 1954. Ibid	1477
			Smith, J. Pharm. Exp. Ther. 8:53, 1916 Ibid	1478
	H_2O		Gruber, J. Pharm. Exp. Ther. 60:439, 1937.	1479
			Lehman, personal communication.	1480

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1481	Oxalic acid	Frog	sc	MLD	400
		Dog	or	LD	1000
1482	Oxathiane	Rat	or	LD_{50}	2830
1483	a-(p-Oxyphenyl)-β-methylaminopropane	Mouse	ip	MLD	100
1484	Palladium chloride	Rabbit	iv	LD	18.6
1485	Paludrine HCl	Mouse	or	LD_{50}	23
		Mouse	im	LD_{50}*	20
		Rat	or	LD_{50}*	200
		Dog	im	LD	160
		Monkey	im	LD	160
1486	Panthesin	Frog	sc	LD	480-840
		Mouse	sc	LD	300-350
		Guinea pig	sc	LD	93-150
		Guinea pig	iv	LD	20
		Rabbit	sc	LD	240-250
		Rabbit	iv	LD	20
1487	Pantocaine	Frog	sc	LD	200
		Mouse	sc	LD	53
		Mouse	sc	LD	45-50
		Mouse	iv	LD	10-12
		Rabbit	sc	LD	20
		Rabbit	iv	LD	6-8
1488	Pantothenic acid (calcium salt)	Mouse	or	LD_{50}	10,000
		Mouse	sc	LD_{50}	2700
		Mouse	ip	LD_{50}	920
		Mouse	iv	LD_{50}	910
		Rat	or	LD_{50}	>10,000
		Rat	sc	LD_{50}	3400
		Rat	ip	LD_{50}	820
		Rat	iv	LD_{50}	830
1489	Papaverine	Frog	sc	MLD	1000
		Mouse	or	LD_{50}	2500
		Mouse	sc	MLD	500
		Mouse	iv	LD_{50}	33.1[3]
		Rat	or	LD_{50}	745.6
		Rat	ip	LD_{50}	62-64
		Rabbit	sc	MLD	250
		Pigeon	sc	MLD	150
1490	Papaverine-3-carboxylic acid	Mouse	or	LD_{50}	50-260
		Mouse	sc	LD_{50}	225
		Mouse	iv	LD_{50}	200
1491	Paraldehyde	Rat	or	LD_{50}	1650
		Rat	sc	MLD	1650
		Rat	ip	MLD	1500
		Rat	ip	MLD	1240-1780
	(continued on next page)	Rat	rt	MLD	1500

/1/ Buffered water. /2/ Leupold-Löwenthal. /3/ Hydrochloride.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Heymans, Dubois'Arch. f. Physiol. 13:168,1889.	1481
		2 da	Flury, Abderhalden's Hdb. 4. 7b:1377.	
			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	1482
			Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	1483
	H_2O[1]	12 da	Orestano, Boll. soc. ital. biol. sper. 8:1154, 1933.	1484
			Schmidt, J. Pharm. Exp. Ther. 90:233, 1947.	1485
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Röthlin, Arch. exp. Path. Pharm. 144:197, 1929.	1486
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Gessner, Arch. exp. Path. Pharm. 168:447, 1932.	1487
			Ibid	
			Fusgänger, Arch. exp. Path. Pharm. 160:53, 1931.	
			Ibid	
			Ibid	
			Ibid	
			Unna, Proc. Soc. Exp. Biol. Med. 45:311, 1940.	1488
			Ibid	
			Ibid	
			Ibid	
			Unna, J. Pharm. Exp. Ther. 73:85, 1941.	
			Unna, Proc. Soc. Exp. Biol. Med. 45:311, 1940.	
			Ibid	
			Unna, J. Pharm. Exp. Ther. 73:85, 1941.	
			Macht, Arch. Int. Med. 17:786, 1916.	1489
			Löwenthal,[2] Wien med. Wschr. 101:61, 1951.	
		30 min	Macht, Arch. Int. Med. 17:786, 1916.	
			Henderson. J. Am. Pharm. Assoc. 40:207, 1951.	
			Ibid	
			Dromond, Acta pharm. tox. 6:234, 1950.	
			Flury, Abderhalden's Hdb. 4. 7b:1377.	
			Ibid	
			Kewitz, Arch. exp. Path. Pharm. 213:30, 1951.	1490
			Ibid	
			Ibid	
1470-1850			Figot, Acta pharm. tox. 8:290, 1952.	1491
			Tunger, Arch. exp. Path. Pharm. 160:74, 1931.	
			Ibid	
			Phillips, Anesthesiology 5:287, 1944.	
1470-1850			Tunger, Arch. exp. Path. Pharm. 160:74, 1931.	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1491	Paraldehyde (concluded)	Guinea pig	ip	LD$_{50}$	1160-1290
		Rabbit	or	LD	5000
		Rabbit	iv	LD	1325
		Dog	or	LD	3000-4000
1492	Paraoxone	Rat	or	LD$_{50}$	7.8
		Rabbit	ct	LD$_{50}$	10
1493	Parasorbic acid	Mouse	ip	LD$_{50}$	750
1494	Parathion	Mouse	or	LD$_{50}$	25±1.8
		Mouse	ip	LD$_{50}$	5.5
		Rat	or	LD$_{50}$	4.42
		Rat	or	LD$_{50}$	4.03
		Rat♀	or	LD$_{50}$	3.0±0.25
		Rat♂	or	LD$_{50}$	30.0±3.6
		Rat♂	ip	LD$_{50}$	7
		Rat♀	ip	LD$_{50}$	4
		Guinea pig	or	LD$_{50}$	32±2
		Rabbit	ct	LD$_{50}$	870[1]
		Rabbit	ct	LD$_{50}$	420
		Cat	ip	LD$_{50}$	3-5
		Dog	ip	LD$_{50}$	12-20
1495	Paris green	Frog	sc	MLD	10
		Rat	or	LD*	22
		Rat	or	MLD	300
		Guinea pig	or	LD	30
1496	Parpanit	Mouse	ip	LD$_{50}$	222.3
		Mouse	iv	LD$_{50}$	45.1
		Rat	ip	LD$_{50}$	209
		Rabbit	iv	LD$_{50}$	24.5
		Cat	or	LD	390
1497	Parsidol (base)	Mouse	or	LD$_{50}$	650
		Mouse	sc	LD$_{50}$	450
		Mouse	iv	LD$_{50}$	45-50
		Rat	sc	LD$_{50}$	200-250
		Rat	iv	LD$_{50}$	15
1498	Patulin	Mouse	ip	LD$_{50}$	5
1499	Paulioside	Cat	iv	LD$_{50}$	0.7136
1500	PDDB	Mouse	iv	LD$_{50}$	31
		Rat	ip	LD$_{50}$	40-45
		Rat	iv	LD$_{50}$	18
		Guinea pig	ip	LD$_{50}$	10-20
		Rabbit	iv	LD$_{50}$	11-15
1501	Pelletierine	Frog	sc	LD	>3125
		Rabbit	iv	LD	12-40
1502	Pellotine	Rabbit	sc	LD	90-100
		Rabbit	iv	LD	60
1503	α-Peltatin	Mouse	sc	LD$_{50}$	60.3±4.3

/1/ Undiluted.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
	H_2O		Phillips, Anesthesiology 5:182, 1944.	1491
			Flury, Abderhalden's Hdb. 4.7b:1378.	
			Ibid	
			Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	1492
			Ibid, 16:3, 1952.	
			Brodersen, Acta pharm. tox. 2:109, 1946.	1493
			Frawley, J. Pharm. Exp. Ther. 105:156, 1952.	1494
			DuBois, Arch. Ind. Hyg. Occ. Med. 6:9, 1952.	
	Corn oil		Deichmann, Arch. Ind. Hyg. Occ. Med. 5:44, 1952.	
	Corn oil		Ibid	
			Frawley, J. Pharm. Exp. Ther. 105:156, 1952.	
			Ibid	
			DuBois, J. Pharm. Exp. Ther. 95:79, 1949.	
			Ibid	
			Frawley, J. Pharm. Exp. Ther. 105:156, 1952.	
			Deichmann, Arch. Ind. Hyg. Occ. Med. 5:44, 1952.	
	Corn oil		Ibid	
			DuBois, J. Pharm. Exp. Ther. 95:79, 1949.	
			Ibid	
			Bonsmann, Klin. Wschr. 21:304, 1942.	1495
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
			Bonsmann, Klin. Wschr. 21:304, 1942.	
		4-5 hr	Ibid	
			Kraatz, J. Pharm. Exp. Ther. 96:42, 1949.	1496
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Fournel, J. physiol., Par. 42:877, 1950.	1497
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Brodersen, Acta pharm. tox. 2:109, 1946.	1498
0.4147-1.168	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1499
			Lehman, Q. Bull. Assoc. F. & D. Off. 18:43, 1954.	1500
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1379.	1501
			Ibid	
			Heffter, Arch. exp. Path. Pharm. 40:385, 1898.	1502
			Ibid	
		7 da	Beck, Proc. Soc. Exp. Biol. Med. 78:392, 1951.	1503

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1504	Pendiomid	Mouse	or	LD_{50}*	2500
		Mouse	sc	LD_{50}	225
		Mouse	iv	LD_{50}	65
		Rabbit	or	LD_{50}	3000
		Rabbit	sc	LD_{50}	160
		Rabbit	iv	LD_{50}	75
1505	Penicillic acid	Mouse	ip	LD_{50}	300
1506	Penicillin[1]	Mouse	sc	LD	3200
		Mouse	sc	LD_{50}	1777[2]
		Mouse	sc	LD_{50}	670[3]
		Mouse	iv	LD_{50}	1000[4]
		Mouse	iv	LD	1500[5]
		Mouse	ice[6]	LD_{50}	5.7±0.23
		Rabbit	ici[7]	LD_{50}	0.653±0.065
		Dog	ici[7]	LD_{50}	1.118±0.112
		Dog	il[8]	LD_{50}	4.94±0.27
1507	Pentabromophenol	Rat	or	LD_{50}*	200
1508	Pentachloroethane	Rabbit	sc	MLD	700
		Dog	or	MLD	1750
		Dog	iv	MLD	100
1509	Pentachlorophenol	Mouse	sc	MLD	56
		Rat	or	LD_{50}*	78
		Rat	or	LD_{50}	125-200
		Rabbit	or	MLD	550
		Rabbit	or	LD	7090[9]
		Rabbit	or	LD	160-130[10]
		Rabbit	or	LD	70-85[11]
		Rabbit	sc	MLD	257
		Rabbit	ct	MLD	512.5
		Rabbit	ct	LD	60-70[9]
		Rabbit	ct	LD	90-100[12]
		Rabbit	ct	LD	40-50[13]
		Rabbit	ip	MLD	135.5
		Dog	sc	MLD	135
1510	Pentamethylenedipropionate	Mouse	or	LD_{50}	10.4 cc
		Rat	or	LD_{50}	9.1 cc
1511	Pentanediol-2, 4	Rat	or	LD_{50}	6860
		Rabbit	ct	LD_{50}	14.1 cc
1512	3-Pentanol	Rat	or	LD_{50}	2800
		Rat	or	LD_{50}	1870
		Rabbit	ct	LD_{50}	2.52 cc

/1/ Toxicity may vary for different brands. /2/ Sodium salt. /3/ Ammonium salt. /4/ Per
/8/ Intralumbar. /9/ 5% solution in fuel oil. /10/ 11% solution in olive oil. /11/ 5% solu-

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Bein, Schweiz. med. Wschr. 81:446, 1951.	1504
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Brodersen, Acta pharm. tox. 2:109, 1946.	1505
		1 da	Robinson, J. Pharm. Exp. Ther. 77:70, 1943.	1506
		2-5 da	Hobby, Proc. Soc. Exp. Biol. Med. 50:285, 1942.	
			Ibid	
	H_2O	1-4 da	Robinson, J. Pharm. Exp. Ther. 77:70, 1943.	
			Ibid	
			Rose, J. Lab. Clin. Med. 34:126, 1949.	
			Ibid	
			Ibid	
			Ibid	
			Stohlman, Pub. Health Rpt. 66:1303, 1951.	1507
	Oil	24 hr	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	1508
	Oil	24 hr	Ibid	
	Oil	30 min	Ibid	
			Bechold, Zschr. physiol. Chem. 47:173, 1906.	1509
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
			Stohlman, Pub. Health Rpt. 66:1303, 1951.	
			McGavack, J. Ind. Hyg. Tox. 23:239, 1941.	
	Oil	2-5 hr	Deichmann, J. Pharm. Exp. Ther. 76:No. 2, 1942.	
	Olive oil	10-16 hr	Ibid	
	Olive oil	3-6 hr	Ibid	
			McGavack, J. Ind. Hyg. Tox. 23:239, 1941.	
			Ibid	
	Oil	1½-4 hr	Deichmann, J. Pharm. Exp. Ther. 76:No. 2, 1942.	
	Oil	1½-3 hr	Ibid	
	Oil	9-22 hr	Ibid	
			McGavack, J. Ind. Hyg. Tox. 23:239, 1941.	
			Ibid	
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	1510
			Ibid	
6290-7480			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	1511
			Ibid	
			Schaffarzick, Science 116:663, 1952.	1512
1340-2600			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	
1.33-4.78 cc			Ibid	

day of crude drug. /5/ Per day of pure drug. /6/ Intracerebral. /7/ Intracisternal.
tion in olive oil. /12/ 5% solution in "furnace" oil. /13/ 1.8% solution in pine oil.

Compound		Animal	Route	Dose	Dosage mg/kg Value
1513	Pentanone-3	Rat	or	LD_{50}	2140
1514	Pentobarbital sodium	Mouse	or	LD_{50}	280.2±19.8
		Mouse	ip	LD_{50}	140
		Mouse	ip	LD_{50}	155
		Mouse	ip	LD_{50}	123±17.3
		Mouse	ip	LD_{50}	128.76±2.75
		Mouse	im	LD_{50}	124.42±5.25
		Mouse	iv	LD_{50}	80.46±4.71
		Rat	or	MLD	175
		Rat	sc	LD	125
		Rat	ip	LD	75
		Rat	ip	LD_{50}	48-75
		Guinea pig	ip	LD_{50}	50-60
		Rabbit	or	LD_{50}	275
		Rabbit	or	MLD	175
		Rabbit	ip	MLD	65
		Rabbit	iv	LD_{50}	45
		Rabbit	ic	LD_{50}	65
		Cat	or	LD_{50}*	100
1515	Pentothal sodium	Rat[1]	ip	LD_{50}	125-130
		Rat[2]	ip	LD_{50}	115-125
		Guinea pig[1]	ip	LD_{50}	47.5-50.0
		Guinea pig[2]	ip	LD_{50}*	57.5
		Rabbit	or	MLD	600
		Rabbit	rt	MLD	110
		Rabbit	iv	MLD	35
1516	Perillartine	Rat	or	LD_{50}	>2500
1517	Periplocin	Frog	sc	LD	25
		Rat	sc	LD	320-480
		Rabbit	sc	LD	10
		Cat	sc	LD	2.5
1518	Pernoston	Frog	sc	LD	150
		Mouse	sc	LD	150
		Rat	sc	MLD	72-125
		Rat	ip	LD	65-66
		Rabbit	or	MLD	350-400
		Rabbit	sc	LD	175
		Rabbit	ip	MLD	75
		Rabbit	iv	LD	70
		Cat	or	LD_{50}*	135
1519	Phanodorn	Mouse	sc	LD	400
		Mouse	iv	LD	200
		Rat	sc	LD	220
		Rat	ip	LD	195
		Rabbit	or	LD	450
		Rabbit	sc	LD	300
		Rabbit	ip	LD	130
	(continued on next page)	Rabbit	iv	LD	90

/1/ Young animals. /2/ Adult animals.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
1540-2980			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	1513
			Calesnick, J. Pharm. Exp. Ther. 102:138, 1951. Gruber, J. Pharm. Exp. Ther. 81:254, 1944. Hunt, J. Am. Pharm. Assoc. 35:231, 1946. Way, J. Pharm. Exp. Ther. 87:265, 1946. Calesnick, J. Pharm. Exp. Ther. 102:138, 1951. Ibid Ibid Fitch, J. Pharm. Exp. Ther. 42:266, 1931. Schlossmann, Heffter's Hdb. E. 2:152. Ibid Gruber, J. Pharm. Exp. Ther. 81:254, 1944. Carmichael, Proc. Soc. Exp. Biol. Med. 33:527, 1936. Werner, J. Pharm. Exp. Ther. 60:189, 1937. Fitch, J. Pharm. Exp. Ther. 42:266, 1931. Ibid Werner, J. Pharm. Exp. Ther. 60:189, 1937. Ibid Krop, J. Pharm. Exp. Ther. 88:260, 1946.	1514
			Carmichael, Anesthesiology 8:589, 1947. Ibid Ibid Ibid Werner, J. Pharm. Exp. Ther. 60:189, 1937. Ibid Ibid	1515
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:82, 1951.	1516
			Lendle, Heffter's Hdb. E. 1:78. Ibid Ibid Ibid	1517
			Kochmann, Heffter's Hdb. E. 2:149. Ibid Tunger, Arch. exp. Path. Pharm. 160:74, 1931. Kochmann, Heffter's Hdb. E. 2:149. Maloney, J. Pharm. Exp. Ther. 42:267, 1931. Kochmann, Heffter's Hdb. E. 2:149. Fitch, J. Pharm. Exp. Ther. 44:325, 1932. Kochmann, Heffter's Hdb. E. 2:149. Krop, J. Pharm. Exp. Ther. 88:260, 1946.	1518
			Kochmann, Heffter's Hdb. E. 2:151. Ibid Ibid Ibid Ibid Ibid Ibid Ibid	1519

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1519	Phanodorn (concluded)	Cat	or	LD	120-200
		Dog	or	LD	200-300
		Dog	sc	LD	100
1520	Phenacaine HCl	Guinea pig	sc	MLD	53
		Guinea pig	ip	MLD	50
		Guinea pig	iv	MLD	15
		Cat	iv	MLD	10
1521	Phenacetin	Rat	or	LD	2600
		Rat	or	LD$_{50}$	1705
		Rabbit	or	MLD	>1000
		Dog	or	LD*	1000
1522	Phenergan HCl	Mouse	sc	LD$_{50}$*	750
		Rat	sc	LD$_{50}$	225
		Rat	iv	LD$_{50}$	50
1523	Phenetole	Rat	sc	MLD	3500-4000
1524	Phenol	Frog	sc	MLD	290-310
		Mouse	sc	MLD	125
		Mouse	sc	MLD	420-450
		Rat	or	LD$_{50}$	530
		Rat	or	LD$_{50}$	1300
		Rat	sc	LD	217
		Rat	sc	LD	500-600
		Guinea pig	sc	MLD	450-550
		Guinea pig	ip	MLD	300
		Rabbit	or	MLD	420-620^1
		Rabbit	sc	LD$_{50}$	620^2
		Rabbit	iv	LD$_{50}$	180^2
		Cat	sc	MLD	80^3
1525	Phenothiazine	Rat	or	LD$_{50}$*	5000
		Rabbit	or	MLD	4000
1526	2-Phenoxyethyl acetate	Mouse	or	LD$_{50}$	3.7 cc
		Rat	or	LD$_{50}$	4.9 cc
1527	Phenoxyethylbenzylethylamine	Mouse	sc	LD$_{50}$*	1000
1528	Phenoxyethylethyl-β-chloroethylamine	Mouse	sc	LD$_{50}$*	35
1529	3-Phenoxy-1, 2-propanediol	Mouse	or	LD$_{50}$	2.65±0.02 cc
1530	6-Phenoxypropylbenzyl-β-chloroethylamine	Mouse	sc	LD$_{50}$*	750
1531	Phenoxypropylethyl-β-chloroethylamine	Mouse	sc	LD$_{50}$	50
1532	Phenurone	Mouse	or	LD$_{50}$*	5000
1533	(3-Phenylacetoxyphenyl)trimethylammonium bromide	Mouse	iv	LD$_{50}$	2.5±0.5
1534	Phenylacetyl-K-strophanthidin	Rabbit	iv	MLD	0.5

/1/ 20% solution in H_2O. /2/ 5% solution in H_2O. /3/ 10% solution in oil.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Kochmann, Heffter's Hdb. E.2:151.	1519
			Ibid	
			Ibid	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	1520
			Ibid	
			Ibid	
			Ibid	
			Hart, J. Pharm. Exp. Ther. 89:205, 1947.	1521
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	
			Flury, Abderhalden's Hdb. 4.7b:1380.	
			Ibid	
			Halpern, C. rend. Soc. biol. 144:887, 1950.	1522
			Fournel, J. Physiol. 42:877, 1950.	
			Ibid	
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	1523
		Sev hr	Fühner, Arch. exp. Path. Pharm. 166:437, 1932.	1524
			Duplay, C. rend. Acad. sc. 112:627, 1891.	
		2-3 da	Fühner, Arch. exp. Path. Pharm. 166:437, 1932.	
	H_2O		Deichmann, J. Pharm. Exp. Ther. 80:233, 1944.	
	Oil		Ibid	
			Duplay, C. rend. Acad. sc. 112:627, 1891.	
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	
			Ibid	
			Chassevant, Arch. int. pharmacod. 14:93, 1905.	
	H_2O	30-45 min	Deichmann, J. Pharm. Exp. Ther. 80:233, 1944.	
	H_2O		Ibid	
	H_2O		Ibid	
	Oil	317 hr	Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	1525
			Schnitzer, Canad. Pub. Health. J. 33:17, 1942.	
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	1526
			Ibid	
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1527
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1528
		10 da	Hine, Arch. Ind. Hyg. Occ. Med. 2:579, 1950.	1529
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1530
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1531
			Everett, J. Pharm. Exp. Ther. 106:303, 1952.	1532
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	1533
			Neumann, Arch. exp. Path. Pharm. 185:328, 1937.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1535	α-Phenyl-β-aminobutane	Rat	or	LD$_{50}$	400
		Rat	ip	LD$_{50}$	70
1536	α-Phenyl-β-aminobutanol	Rabbit	iv	LD$_{50}$	50
1537	α-Phenyl-β-aminoethane	Rat	or	LD$_{50}$	800
		Rat	ip	LD$_{50}$	100
1538	α-Phenyl-β-aminopentane	Rat	or	LD$_{50}$	400
		Rat	ip	LD$_{50}$	70
1539	α-Phenyl-β-aminopentanol	Rabbit	iv	LD	40
1540	α-Phenyl-β-aminopropane	Mouse	ip	MLD	23
1541	β-Phenyl-α-aminopropane	Mouse	sc	LD	540
		Rat	or	LD$_{50}$	>3000
		Rat	ip	LD$_{50}$	150
		Rabbit	iv	LD	72
1542	DL-1-Phenylaminopropane sulfate	Rat	ip	LD$_{50}$	25-35
		Guinea pig	ip	LD$_{50}$	50-70
1543	Phenylarsenoxide	Mouse	ip	LD$_{50}$	1.93
		Rabbit	ip	LD$_{50}$	0.79
1544	α-Phenyl-β-benzylaminopropanol	Rabbit	iv	LD	20
1545	Phenylboric acid	Mouse	ip	LD	560
		Guinea pig	ip	LD	284
		Dog	iv^2	LD	450
1546	α-Phenylbutanolmethylamine	Rabbit	iv	LD	45
1547	Phenylbutazone	Mouse	iv	LD$_{50}$	123
		Rat	ip	LD$_{50}$	215
1548	α-Phenyl-β-butylaminopropane	Rat	or	LD$_{50}$	390
		Rat	ip	LD$_{50}$	130
1549	α-Phenyl-β-butylaminopropanol	Rabbit	iv	LD	15
1550	2-Phenylcyclohexanol	Mouse	or	LD$_{50}$	5.4 cc
		Rat	or	LD$_{50}$	3.5 cc
		Guinea pig	or	LD$_{50}$	1.6 cc
		Rabbit	or	LD$_{50}$	2.7 cc
1551	α-Phenyldiaminopropanol	Rabbit	iv	LD	55
1552	Phenyldichlorarsine	Rabbit	ct	MLD	8-10
1553	Phenyldiethylaminoethyl-α-aminoacetic acid isoamyl ester	Mouse	or	LD$_{50}$	760
		Mouse	im	LD$_{50}$	360
		Mouse	iv^3	LD$_{50}$	40
1554	Phenyldiethylmethylammonium bromide	Mouse	iv	LD$_{50}$	19.0±7.6
1555	α-Phenyl-β-dimethylaminopropane	Rat	or	LD$_{50}$	750
		Rat	ip	LD$_{50}$	180

/1/ Bovet and Bovet-Nitti, "Médicaments du Système Nerveux Végétatif," New York:

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Bovet & Bovet-Nitti. [1] Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	1535
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	1536
			Bovet & Bovet-Nitti. [1] Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	1537
			Bovet & Bovet-Nitti. [1] Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	1538
			Hartung, J. Am. Chem. Soc. 52:3317, 1930.	1539
			Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	1540
			Bovet & Bovet-Nitti. [1] Ibid Hauschild, Arch. exp. Path. Pharm. 195:647, 1940. Bovet & Bovet-Nitti. [1]	1541
			Fellows, J. Pharm. Exp. Ther. 100:267, 1950. Ibid	1542
			Eagle, J. Pharm. Exp. Ther. 81:142, 1944. Ibid	1543
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	1544
			Caujolle, Bull. Acad. méd., Par. 135:314, 1951. Ibid Ibid	1545
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	1546
		48 hr 48 hr	Hazleton, Fed. Proc. 12:330, 1953. Ibid	1547
			Bovet & Bovet-Nitti. [1] Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	1548
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	1549
			Draize, J. Pharm. Exp. Ther. 93:26, 1948. Ibid Ibid Ibid	1550
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	1551
			Dudley, Pub. Health. Rpt. 53:338, 1938.	1552
			Brock, Arch. exp. Path. Pharm. 212:133, 1951. Ibid Ibid	1553
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	1554
			Bovet & Bovet-Nitti. [1] Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	1555

S. Karger, 1948. /2/ Injected over period of 60 minutes. /3/ Given by slow injection.

Compounds		Animal	Route	Dose	Dosage mg/kg
					Value
1556	m-Phenylenediamine	Rat	sc	MLD	80
		Rabbit	or	MLD	300
		Rabbit	sc	MLD	200
		Cat	or	MLD	300
		Dog	iv	MLD	17
1557	o-Phenylenediamine	Frog	sc	MLD	4000
		Mouse	sc	MLD	250[1]
		Mouse	sc	MLD	600[2]
		Rat	sc	MLD	600[2]
1558	p-Phenylenediamine	Rat	sc	MLD	170
		Rabbit	or	MLD	250
		Rabbit	sc	MLD	200
		Cat	or	MLD	100
		Dog	sc	MLD	100
1559	Phenylethanolamine	Mouse	sc	LD	1100
		Rat	iv	MLD*	140
		Guinea pig	sc	MLD	1000
		Rabbit	iv	MLD	25-30
		Rabbit	iv	LD	80
1560	α-Phenyl-β-ethanolaminopropanol	Rabbit	iv	LD	75
1561	Phenylethanolmethylamine	Rabbit	iv	LD	100
1562	Phenylethylamine	Mouse	sc	LD	300
		Guinea pig	sc	LD	200-250
		Rabbit	iv	LD	40-50
1563	Phenylethylamine HCl	Guinea pig	sc	MLD	200-250
		Rabbit	sc	MLD*	300
1564	β-Phenylethylamine HCl	Mouse	ip	LD_{50}	366
1565	Phenylethylamine iodide	Mouse	ip	LD_{50}	360
1566	α-Phenyl-β-ethylaminopropane	Rat	or	LD_{50}	250
		Rat	ip	LD_{50}	80
1567	α-Phenyl-β-ethylaminopropanol	Rabbit	iv	LD	50
1568	β-Phenylethylglucosamine[4]	Mouse	ip	LD_{50}	426
1569	β-Phenylethylglucosamine[5]	Mouse	ip	LD_{50}	535
1570	2-Phenylethyl-α-hydroxyisobutyrate	Mouse	or	LD_{50}	2.8 cc
		Rat	or	LD_{50}	3.3 cc
		Guinea pig	or	LD_{50}	1.1 cc
		Rabbit	or	LD_{50}	1.9 cc
1571	Phenylethyltrimethylammonium hydroxide	Mouse	sc	LD	80
1572	α-Phenylglyceryl ether	Mouse	or	LD_{50}	2650±25

/1/ Salt. /2/ Base. /3/ Bovet and Bovet-Nitti, Médicaments du Système Nerveux Végétatif, "

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Hanzlik, J. Ind. Hyg. 4:386, 1923.	1556
			Ibid	
			Ibid	
			Ibid	
			Ibid	
		1½ hr	Tainter, Arch. int. pharmacod. 36:140, 1930.	1557
			Ibid	
		24 hr	Ibid	
		24 hr	Ibid	
			Hanzlik, J. Ind. Hyg. 4:386, 1923.	1558
			Ibid	
			Ibid	
			Ibid	
			Erdmann, Arch. exp. Path. Pharm. 53:401, 1905.	
			Hasama, Arch. exp. Path. Pharm. 153:161, 1930.	1559
			Tainter, Proc. Soc. Exp. Biol. Med. 25:275, 1928.	
			Alles, J. Pharm. Exp. Ther. 32:121, 1927.	
			Ibid	
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	1560
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	1561
			Hasama, Arch. exp. Path. Pharm. 153:161, 1930,	1562
			Alles, J. Pharm. Exp. Ther. 32:121, 1927.	
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	
			Alles, J. Pharm. Exp. Ther. 32:121, 1927.	1563
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	
			Kaesling, Proc. Soc. Exp. Biol. Med. 81:607, 1952.	1564
			Kaesling, Proc. Soc. Exp. Biol. Med. 81:607, 1952.	1565
			Bovet & Bovet-Nitti.[3]	1566
			Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	1567
			Kaesling, Proc. Soc. Exp. Biol. Med. 81:607, 1952.	1568
			Kaesling, Proc. Soc. Exp. Biol. Med. 81:607, 1952.	1569
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	1570
			Ibid	
			Ibid	
			Ibid	
			Hunt, J. Pharm. Exp. Ther. 48:51, 1933.	1571
			Loeb, Fed. Proc. 8:316, 1949.	1572

New York: S. Karger, 1948. /4/ Optical rotation +8°. /5/ Optical rotation - 15°.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1573	Phenylhydrazine	Frog	sc	MLD	300
		Mouse	sc	LD	170
		Rat	sc	LD	40
		Rabbit	or	LD*	500
		Rabbit	sc	MLD	50-80
		Dog	or	MLD	200-250
		Dog	iv	MLD	120-200
1574	4-Phenyl-1-hydrazinophthalazine	Mouse	ip	LD_{50}	45±4
1575	Phenylhydroxylamine	Rabbit	or	MLD	10-20[1]
		Rabbit	sc	MLD	50
1576	2-Phenyl-4-hydroxymethyl-1, 3-dioxolane	Mouse	ip	LD_{50}	1296.0±158.4
1577	α-Phenyl-β-isopropylaminopropanol	Rabbit	iv	LD	50
1578	Phenylmercuric nitrate	Mouse	sc	LD_{50}	45
		Mouse	iv	LD_{50}	27
		Rat	sc	LD_{50}	63
1579	Phenylmercuric-triethanolammonium lactate	Rat	or	LD_{50}	30
1580	α-Phenyl-β-methylaminoethane	Rat	or	LD_{50}	1400
		Rat	ip	LD_{50}	180
1581	α-Phenyl-β-methylaminopropane	Mouse	ip	MLD	32
1582	DL-1-Phenyl-2-methylaminopropane HCl	Rat	ip	LD_{50}	20-30
		Guinea pig	ip	LD_{50}	40
		Rabbit	ip	LD_{50}	30-40
1583	α-Phenyl-β-methylaminopropanol	Mouse	ip	MLD	170
1584	Phenylmethylcarbinol	Rat	or	LD_{50}	400
		Guinea pig	ct	LD_{50}	>15,000
1585	Phenyl-α-(1-naphthyl)methyl ether of Dimethylaminoethanol	Mouse	ip	LD_{50}	52±2
1586	α-Phenyl-β-oxyethylaminopropane	Mouse	ip	MLD	250
1587	α-Phenylpentanolmethylamine	Rabbit	iv	LD	35
1588	α-Phenylpentylaminopropanol	Rabbit	iv	LD	20
1589	α-Phenyl-β-propylaminopropane	Mouse	ip	LD_{50}	80
		Rat	or	LD_{50}	250
1590	α-Phenyl-β-propylaminopropanol	Rabbit	iv	LD	50
1591	Phenylthiourea	Rat	or	LD	20-40
		Rat	sc	LD	5-27
		Rat	ip	LD	5-12
1592	Phenyltrimethylammonium bromide	Mouse	iv	LD_{50}	4.0±0.24

/1/ Per animal. /2/ Bovet and Bovet-Nitti, "Médicaments du Système Nerveux Végétatif,"

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Gibbs, Dubois' Arch. f. Physiol. Suppl. p259, 1892.	1573
			Von Oettingen, J. Ind. Hyg. Tox. 18:1, 1936.	
			Hauschild, Arch. exp. Path. Pharm. 182:118, 1936.	
			Jaffe, Zschr. f. Path., Frankfurt 24:No. 2.	
		15-30min	Hauschild, Arch. exp. Path. Pharm. 182, 118, 1936.	
			Gibbs, Dubois'Arch. f. Physiol. Suppl. p259, 1892.	
			Ibid	
			Walker, J. Pharm. Exp. Ther. 101:369, 1951.	1574
			Sieburg, Zschr. physiol. Chem. 92:331, 1914.	1575
			Lewin, Arch. exp. Path. Pharm. 35:401, 1895.	
			Berger, Arch. int. pharmacod. 85:474, 1951.	1576
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	1577
			Wien, Q. J. Pharm. Pharmacol. 12:212, 1939.	1578
			Ibid	
			Ibid	
			Lehman, Q. Bull. Assoc. F. &D. Off. 15:122, 1951.	1579
			Bovet & Bovet-Nitti.[2]	1580
			Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	
			Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	1581
			Fellows, J. Pharm. Exp. Ther. 100:267, 1950.	1582
			Ibid	
			Ibid	
			Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	1583
			Smyth, J. Ind. Hyg. Tox. 26:269, 1944.	1584
			Ibid	
			Ensor, J. Pharm. Exp. Ther. 112:318, 1954.	1585
			Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	1586
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	1587
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	1588
			Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	1589
			Bovet & Bovet-Nitti.[2]	
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	1590
		2-18 hr	Richter, Arch. Path. 33:46, 1942.	1591
		6-15 hr	Ibid	
		9-15 hr	Ibid	
			Randall, J. Pharm. Exp. Ther. 99:16, 1950.	1592

New York: S. Karger, 1948.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1593	Phenyltrimethylammonium hydroxide	Mouse	sc	LD	49
1594	Phloroglucinol	Rat	sc	MLD	1500-1600
		Guinea pig	sc	MLD	1000-1200
		Guinea pig	ip	MLD	1000
		Dog	iv	MLD	1000-1200
1595	Phosphorus, Yellow	Rabbit	or	LD	7
		Rabbit	or	LD	10
		Rabbit	sc	LD	12.5
		Rabbit	sc	LD	30
		Dog	sc	LD	2-3
		Dog	sc	LD*	12
1596	Phosphorus sesquisulfide	Rabbit	or	LD	100
		Rabbit	sc	LD	200-600
1597	o-Phthalic acid	Mouse	ip	LD$_{50}$	550
		Rat	or	LD$_{50}$	7500-8400
1598	Phthalylsulfathiazole	Mouse	ip	LD$_{50}$*	920[1]
		Mouse	ip	LD$_{50}$	800[2]
1599	Phthiocol	Mouse	or	LD$_{100}$	600[1]
		Mouse	ip	LD$_{100}$	200[1]
		Chicken	ip	LD$_{100}$	250[1]
1600	Phygon	Rat	or	LD$_{50}$	1500
1601	Physostigmine	Frog	sc	LD	433-650
		Mouse	or	LD	3
		Mouse	sc	LD	0.75
		Mouse	iv	LD	0.5
		Rabbit	sc	LD	3
		Rabbit	iv	LD	0.4
		Cat	iv	LD	0.25
1602	Physostigmine salicylate	Cat	im	LD	1
		Cat	iv	LD	0.8
1603	Picolinaldehyde thiosemicarbazone	Mouse	or	LD$_{50}$	51.1
1604	α-Picoline	Rat	or	LD$_{50}$	1410
		Rabbit	ct	LD$_{50}$	410 cc
1605	4-Picoline	Rat	or	LD$_{50}$	1290
		Rabbit	ct	LD$_{50}$	0.27 cc
1606	Picric acid	Frog	sc	LD	200
		Frog	sc	MLD	200-300
		Dog	sc	MLD	60
1607	Picropodophyllin	Mouse	ip	LD$_{50}$	280
1608	Picrotoxin	Frog	sc	MLD	7
		Frog	sc	MLD	20
		Mouse	sc	LD	2.5-7.0
		Mouse	ip	LD$_{50}$	4.5
	(continued on next page)	Mouse	iv	MLD	4

/1/Suspension in oil. /2/Sodium salt.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Hunt, J. Pharm. Exp. Ther. 28:367, 1926.	1593
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	1594
			Ibid	
			Chassevant, Arch. int. pharmacod. 14:93, 1905.	
			Gibbs, Dubois' Arch. f. Physiol. p344, 1890.	
	Oil	2-4 da	Hirz, Zschr. Biol. 60:187, 1913.	1595
	Oil	3-4 da	Frank, Arch. exp. Path. Pharm. 64:274, 1911.	
	Oil	Sev da	Santesson, Skand. Arch. Physiol. 15:259, 1904.	
	Oil	7 hr	Ibid	
	Oil	2-4 da	Rubow, Arch. exp. Path. Pharm. 52:173, 1905.	
	Oil	5 da	Welsh, Arch. int. pharmacod. 14:211, 1905.	
		11 da	Santesson, Skand. Arch. Physiol. 15:259. 1904.	1596
		2-12 da	Heffter's Hdb. 3. 1:619.	
			Hodge, Proc. Soc. Exp. Biol. Med. 49:471, 1942.	1597
			Shaffer, J. Ind. Hyg. Tox. 27:130, 1945.	
	Oil		Mattis, J. Pharm. Exp. Ther. 81:116, 1944.	1598
			Ibid	
	Oil		Molitor, Proc. Soc. Exp. Biol. Med. 43:125, 1940.	1599
	Oil		Ibid	
	Oil		Ibid	
			Lehman, Q. Bull. Assoc. F. &D. Off. 15:122, 1951.	1600
			Flury, Abderhalden's Hdb. 4. 7b:1383.	1601
			Aeschlimann, J. Pharm. Exp. Ther. 43:413, 1931.	
			Ibid	
			Ibid	
			Ibid	
			Heubner, Arch. exp. Path. Pharm. 53:313, 1905.	
			Ibid	
			Weiss, J. Pharm. Exp. Ther. 27:181, 1926.	1602
			Ibid	
			Grunberg, Proc. Soc. Exp. Biol. Med. 77:47, 1951.	1603
960-2080			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	1604
270-630 cc			Ibid	
1120-1500			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	1605
0.19-0.38 cc			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1384.	1606
			Ilzhofer, Arch. Hyg. 87:213, 1918.	
		Instant	Flury, Abderhalden's Hdb. 4. 7b:1384.	
			Sullivan, Proc. Soc. Exp. Biol. Med. 77:269, 1951.	1607
			Swanson, J. Pharm. Exp. Ther. 57:410, 1936.	1608
			Führer, Arch. exp. Path. Pharm. 166:437, 1932.	
			Flury, Abderhalden's Hdb. 4. 7b:1385.	
			McOmie, Fed. Proc. 6:357, 1947.	
			Swanson, J. Pharm. Exp. Ther. 57:410, 1936.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1608	Picrotoxin (concluded)	Rat	sc	LD_{100}	8[1]
		Rat	sc	MLD	6
		Rat	iv	MLD	4
		Guinea pig	sc	LD	8
		Rabbit	sc	MLD	2.5
		Rabbit	iv	MLD	1.25
		Rabbit	iv	MLD	1.35
		Dog	sc	LD	2.2
		Pigeon	im	LD	1.4
1609	Pilocarpine	Rabbit	iv	LD	120-230
		Pigeon	iv	LD	353[2]
1610	Pinacolin	Guinea pig	sc	LD	700
1611	Piperidine	Frog	sc	LD	1750
		Frog	sc	LD	200-1000
		Mouse	sc	LD	460-760
		Rat	sc	LD	50
		Rabbit	sc	LD	500
1612	3-Piperidyl-1,1-di-(2'-thienyl)-butane acid oxalate	Mouse	or	LD_{50}	264
		Mouse	sc	LD_{50}	159
1613	3-Piperidyl-1,1-di-(2'-thienyl)-butene HCl	Mouse	or	LD_{50}	190
		Mouse	sc	LD_{50}	119
1614	Piperonal	Rat	ip	MLD	1500-1700
1615	Piperonyl butoxide	Mouse	or	LD_{50}	3.8 cc
		Rat	or	LD_{50}	7.5-10.0 cc
		Rat	or	LD_{50}*	11,500
		Rabbit	ct	LD_{50}*	>1880
		Cat	or	LD_{50}	>10 cc
		Dog	or	LD_{50}	>7.5 cc
1616	Piperonylcyclohexanone	Mouse	or	LD_{50}	5.1 cc
		Rat	or	LD_{50}	5200
		Rat	or	LD_{50}	6.9 cc
1617	Piperonylether butoxide	Mouse	or	LD_{50}	8.3 cc
		Rat	or	LD_{50}	8-12 cc
1618	Pip-pip	Rat ?	ip	LD_{50}	250
1619	Plasmoquine	Mouse	sc	MLD	12.5
		Rabbit	or	MLD	225
		Rabbit	sc	MLD	20
		Rabbit	iv	MLD	3.5
		Cat	or	MLD	7.5
		Cat	sc	MLD	5.0-7.5
		Cat	iv	MLD	5
		Dog	or	MLD	20
		Dog	sc	MLD	20
		Dog	iv	MLD	5-10
	(continued on next page)	Canary	or	MLD	50

/1/5% solution in water. /2/Hydrochloride.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
	H_2O		Sampson, J. Pharm. Exp. Ther. 65:275, 1939.	1608
		40-90 min	Kreitmair, Arch. exp. Path. Pharm. 187:607, 1937.	
			Swanson, J. Pharm. Exp. Ther. 57:410, 1936.	
			Flury, Abderhalden's Hdb. 4. 7b:1385.	
			Swanson, J. Pharm. Exp. Ther. 57:410, 1936.	
			Ibid	
			Werner, J. Pharm. Exp. Ther. 66:260, 1939.	
			Flury, Abderhalden's Hdb. 4. 7b:1386.	
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1386.	1609
		1½ hr	Ibid	
		1 1/4-8 hr	Bong, Dissert., Stockholm 1934.	1610
			Gürber, Dubois' Arch. f. Physiol. p401, 1890.	1611
			Jacobj, Arch. exp. Path. Pharm. 50:199, 1903.	
			Ibid	
			Tab. Biol. 3:754, 1926.	
			Albahary, C. rend. Acad. sc. 147:996, 1908.	
250-278			Eddy, J. Pharm. Exp. Ther. 107:385, 1953.	1612
152-167			Ibid	
183-197			Eddy, J. Pharm. Exp. Ther. 107:385, 1954.	1613
114-125			Ibid	
			Binet, Rev. med. Suisse rom. 16:449, 1896.	1614
			Div. Pharm. F. & D. Adm. Q. Rpt. Sept. 1946.	1615
			Sarlis, Am. J. Trop. Med. 29:151, 1949.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
			Ibid, 16:3, 1952.	
			Sarlis, Am. J. Trop. Med. 29:151, 1949.	
			Ibid	
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	1616
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	
			Div. Pharm. F. & D. Adm. Q. Rpt. 1, Aug. 1946.	1617
			Ibid, Rpt. 2, Dec. 1946.	
			Mallette, Arch. Ind. Hyg. Occ. Med. 5:311, 1952.	1618
			LeHeux, Arch. exp. Path. Pharm. 144:341, 1929.	1619
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Tshimanauri, Arch. Schiffs Tropenhyg. 35:89, 1931.	
			LeHeux, Arch. exp. Path. Pharm. 144:341, 1929.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1619	Plasmoquine (concluded)	Canary	sc	MLD	33-50
		Rooster	or	MLD	57
1620	Platinum chloride	Rabbit	iv[1]	MLD	180.1
		Rabbit	iv[2]	MLD	125
		Rabbit	iv	MLD	22.9
1621	Plutonium citrate	Dog	im	LD	0.35-0.68
		Dog	iv	LD	0.3
1622	Podophyllic acid	Mouse	or	LD_{50}	899
		Mouse	sc	LD_{50}	700
1623	Podophyllin	Mouse	or	LD_{50}	63
		Mouse	sc	LD_{50}	58
		Dog	or	LD	120
1624	Podophyllotoxin	Mouse	or	LD_{50}	90
		Mouse	sc	LD_{50}	24.6
1625	Polyethylene glycol	Mouse	ip	LD_{50}	9200±450[3]
		Mouse	ip	LD_{50}	2000±150[4]
		Mouse	ip	LD_{50}	8000±800[5]
1626	Polypropylene glycol	Mouse	ip	LD_{50}	700±75[3]
		Mouse	ip	LD_{50}	195±8[6]
		Mouse	ip	LD_{50}	113±12[7]
		Mouse	ip	LD_{50}	3600±400[8]
1627	Polypropylene glycol 425	Rat	or	LD_{50}	2910
		Rat	ip	LD_{50}	460
		Rat	iv	LD_{50}	410
1628	Polypropylene glycol 1025	Rat	or	LD_{50}	2150
		Rat	ip	LD_{50}	230
		Rat	iv	LD_{50}	120
1629	Polypropylene glycol 2025	Rat	or	LD_{50}	9760
		Rat	ip	LD_{50}	4470
		Rat	iv	LD_{50}	710
1630	Pontamine Sky Blue	Mouse	iv	LD_{50}	2260
1631	Potasan	Rat	ip	LD_{50}	15
1632	Potassium acid saccharate[9]	Rat	or	LD	>2000
1633	Potassium arsenite	Mouse	sc	MLD	16-18
		Rat	or	LD_{50}	14
		Guinea pig	sc	MLD	10
		Rabbit	sc	MLD	10
		Rabbit	iv	MLD	6-7
		Cat	sc	MLD	7
		Dog	sc	MLD	8
		Dog	iv	MLD	2-3

/1/Fast injection. /2/Slow injection. /3/Molecular weight 400. /4/Molecular weight 1000. /8/Molecular weight 2000. /9/Neutralized.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			LeHeux, Arch. exp. Path. Pharm. 144:341, 1929.	1619
			Kohlschütter, Arch. exp. Path. Pharm. 201:402, 1943.	
			Orestano, Boll. soc. ital. biol. sper. 8:1152, 1933.	1620
			Ibid	
		3 da	Ibid	
			Painter, Nucl. Sci. Abstr. 1:18, 1948.	1621
		16 da	Ibid	
			Sullivan, Proc. Soc. Exp. Biol. Med. 77:269, 1951.	1622
			Ibid	
			Sullivan, Proc. Soc. Exp. Biol. Med. 77:269, 1951.	1623
			Ibid	
		10 hr	Flury, Abderhalden's Hdb. 4.7b:1387.	
			Sullivan, Proc. Soc. Exp. Biol. Med. 77:269, 1951.	1624
			Ibid	
			Shideman, J. Pharm. Exp. Ther. 103:293, 1951.	1625
			Ibid	
			Ibid	
			Shideman, J. Pharm. Exp. Ther. 103:293, 1951.	1626
			Ibid	
			Ibid	
			Ibid	
2650-3190		14 da	Shaffer, Arch. Ind. Hyg. Occ. Med. 3:448, 1951.	1627
300-700		14 da	Ibid	
310-540		14 da	Ibid	
1190-2410		14 da	Shaffer, Arch. Ind. Hyg. Occ. Med. 3:448, 1951.	1628
150-360		14 da	Ibid	
84-160		14 da	Ibid	
8,850-10,760		14 da	Shaffer, Arch. Ind. Hyg. Occ. Med. 3:448, 1951.	1629
2790-7150		14 da	Ibid	
		14 da	Ibid	
			Weinberg, Science 114:41, 1951.	1630
			DuBois, Arch. Ind. Hyg. Occ. Med. 6:9, 1952.	1631
			Ambrose, J. Am. Pharm. Assoc. 40:277, 1951.	1632
			Sieburg, Zschr. physiol. Chem. 97:53, 1916.	1633
			Lehman, Q. Bull. Assoc. F. &D. Off. 15:122, 1951.	
			Sieburg, Zschr. physiol. Chem. 97:53, 1916.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	

/5/Molecular weight 4000. /6/Molecular weight 750. /7/Molecular weight 1200.

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1634	Potassium chlorate	Rat	or	LD	7000
		Rat	ip	LD	1500
		Guinea pig	ip	LD	1800
		Rabbit	or	MLD	2000-2500
		Dog	or	MLD	1200-1250
1635	Potassium chloride	Frog	sc	LD	950
		Mouse	ip	LD_{50}	670
		Rat	or	LD	2430
		Rat	sc	MLD	1200
		Rat	ip	LD	825
		Rat	iv	MLD	90
		Guinea pig	sc	LD	1140
		Guinea pig	iv	MLD	80-87
		Guinea pig	ip	LD	900
		Pigeon	sc	MLD	988
1636	Potassium chromate	Guinea pig	sc	MLD	60-80
		Rabbit	sc	LD	12
		Dog	iv	MLD	2.9-5.0
1637	Potassium columbate	Rat	or	LD_{50}	3000[1]
		Rat	ip	LD_{50}	225[1]
1638	Potassium cyanide	Frog	sc	MLD	149
		Mouse	sc	LD	3-10[2]
		Mouse	sc	LD_{50}	6.02±0.33[3]
		Mouse	sc	LD_{50}	2.86±0.16[4]
		Mouse	ip	MLD	3-10
		Mouse	iv	LD	2.5
		Rat	or	MLD	10-15
		Rat	sc	MLD	17
		Rat	iv	MLD	2.5
		Dog	or	LD	5.3
		Dog	or	LD	1.6
		Pigeon	im	MLD	4
		Pigeon	iv	MLD	4
1639	Potassium dichromate	Mouse	sc	LD	100
		Guinea pig	sc	LD	29.4
		Rabbit	sc	LD	15.8-19.0
		Rabbit	sc	LD	58.8
		Rabbit	iv	LD	27.9
		Dog	or	LD	2829
		Dog	sc	LD	149
		Dog	sc	LD	310
		Dog	sc	LD	67.6
1640	Potassium fluoride	Frog	sc	MLD	375
		Guinea pig	or	MLD	250
		Guinea pig	sc	MLD	350
1641	Potassium iodide	Rat	iv	LD*	285

/1/ 50% solution in H_2O. /2/ Calculated as HCN. /3/ At 23°-25° C. /4/ At 4° C.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Ulrich, J. Pharm. Exp. Ther. 35:1, 1929.	1634
			Ibid	
			Ibid	
			Stockuis, Arch. exp. Path. Pharm. 21:169, 1886.	
			Rost, Heffter's Hdb. 3.1:386.	
		Few hr	Flury, Abderhalden's Hdb. 4.7b:1359.	1635
			Alles, Univ. Cal. Publ. Pharmacol. 1:187, 1939.	
			Ulrich, J. Pharm. Exp. Ther. 35:1, 1929.	
		1 hr	Main, Endocrinology 24:523, 1939.	
			Ulrich, J. Pharm. Exp. Ther. 35:1, 1929.	
			Loeser, J. Lab. Clin. Med. 15:35, 1929.	
			Flury, Abderhalden's Hdb. 4.7b:1359.	
			Amberg, J. Pharm. Exp. Ther. 6:595, 1915.	
			Ulrich, J. Pharm. Exp. Ther. 35:1, 1929.	
			Flury, Abderhalden's Hdb. 4.7b:1359.	
			Flury, Abderhalden's Hdb. 4.7b:1330.	1636
		3-5 da	Eichler, Heffter's Hdb. 3.3: 1520.	
			Ibid	
	H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	1637
	H_2O		Ibid	
		26 hr	Heymans, Arch. int. pharmacod. 3:77, 1897.	1638
			Flury, Abderhalden's Hdb. 4.7b:1340.	
			Streicher, Proc. Soc. Exp. Biol. Med. 76:536, 1951.	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1340.	
			Ibid	
			Ibid	
			Fühner, Arch. exp. Path. Pharm. 166:455, 1932.	
			Ibid	
		21 min	Gettler, Am. J. Med. Sc. 195:182, 1938.	
		155 min	Ibid	
		3 min	Heymans, Arch. int. pharmacod. 3:77, 1897.	
		Rapid	Ibid	
			Eichler, Heffter's Hdb. 3.3:1520.	1639
		6 hr	Ibid	
			Ibid	
		1-3 da	Ibid	
		8-10 da	Ibid	
	H_2O	1 hr	Brand, 14th Congr. Ind. Chem., Paris 1934.	
		3 hr	Ibid	
		$4\frac{1}{2}$ hr	Ibid	
		1 da	Eichler, Heffter's Hdb. 3.3:1520.	
			Simonin, C. rend. Soc. biol. 124:133, 1937.	1640
			Ibid	
			Ibid	
			Hildebrandt, Arch. exp. Path. Pharm. 96:292, 1923.	1641

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1642	Potassium nitrate	Cat	iv	LD	>100
1643	Potassium permanganate	Mouse	sc	MLD	500
		Rabbit	iv	LD	70[1]
1644	Potassium silicofluoride	Frog	sc	MLD	400
		Guinea pig	or	MLD	250
		Guinea pig	sc	MLD	500
1645	Potassium sulfate	Guinea pig	sc	LD	3000
1646	Potassium tantalum fluoride	Rat	or	LD_{50}	2500[2]
		Rat	ip	LD_{50}	375[2]
1647	Potassium thiocyanate	Frog	sc	LD	250-300
		Mouse	or	LD_{50}	594.4±27
		Mouse	iv	LD_{50}	88.2±5.8
		Rat	or	LD_{50}	854.1±66.6
		Rat	sc	LD	1000
		Guinea pig	or	LD	600-800
		Guinea pig	sc	LD	150-300
		Guinea pig	sc	LD	750
		Rabbit	or	LD	500-1000
		Rabbit	sc	LD	550
		Rabbit	iv	LD	150-180
		Dog	iv	LD	100
		Pigeon	sc	LD	500
		Pigeon	im	LD	500
1648	Prantal	Mouse	or	LD_{50}	317
		Mouse	ip	LD_{50}	47
		Rat	or	LD_{50}	1107
		Guinea pig	or	LD_{50}	404
		Dog	iv	LD_{50}	41.6
1649	Praseodymium chloride, $PrCl_3 . 7H_2O$	Mouse	sc	LD_{50}	2500
		Rabbit	iv[3]	LD_{50}	200-250
1650	Praseodymium nitrate, $Pr(NO_3)_3 . 6H_2O$	Rat	iv	LD	10.8-13.9
1651	Privine	Mouse	iv	LD_{50}	170
		Rat	sc	LD_{50}	385
		Rat	sc	LD	200
		Rat	ip	LD	50
		Rabbit	sc	LD_{50}	0.95
		Rabbit	iv	LD_{50}	0.8
1652	Procaine	Frog	sc	MLD	1500[5]
		Frog	sc	MLD	1250-1330[6]
		Mouse	or	LD_{50}	900
		Mouse	sc	MLD	800[5]
		Mouse	sc	MLD	1600-1700[5]
		Mouse	sc	MLD	1330-1410[6]
		Mouse	sc	LD_{50}	339.1±42.4
		Mouse	sc	LD_{50}	800
	(continued on next page)	Mouse	im	LD_{50}	630

/1/5% solution in H_2O. /2/Suspension in H_2O. /3/Injected at rate of 3-4 cc per minute. S. Karger, 1948. /5/Hydrochloride. /6/Base.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
	H_2O		Flury, Abderhalden's Hdb. 4.7b:1360.	1642
			Langecker, Heffter's Hdb. 3.2:1346.	1643
	H_2O	Instant	Ibid	
			Simonin, C. rend. Soc. biol. 124:133, 1937.	1644
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1360.	1645
	H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	1646
	H_2O		Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1391.	1647
			Anderson, J. Am. Pharm. Assoc. 29:152, 1940.	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1391.	
		6-12 hr	Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
269-361		5 da	Margolin, Proc. Soc. Exp. Biol. Med. 78:576, 1951.	1648
			Ibid	
900-1362			Ibid	
254-642			Ibid	
			Ibid	
			Vincke, Arch. exp. Path. Pharm. 188:465, 1938.	1649
	H_2O		Ibid	
		3-5 da	Maxwell, J. Pharm. Exp. Ther. 43:61, 1931.	1650
			Gylfe, Fed. Proc. 9:280, 1950.	1651
			Ibid	
			Bovet & Bovet-Nitti.[4]	
			Ibid	
			Gylfe, Fed. Proc. 9:280, 1950.	
			Ibid	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	1652
			Fühner, Arch. exp. Path. Pharm. 166:455, 1932.	
			Seifter, Antibiotics 1:504, 1951.	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
			Fühner, Arch. exp. Path. Pharm. 166:455, 1932.	
			Ibid	
			Schamp, Anesthesiology 3:398, 1942.	
			Rose, J. Lab. Clin. Med. 15:731, 1930.	
			Seifter, Antibiotics 1:504, 1951.	

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[4] Bovet and Bovet-Nitti, "Médicaments du Système Nerveux Végétatif," New York:

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1652	Procaine (concluded)	Mouse	ip	LD_{50}	123.8±7.1
		Mouse	iv	LD_{50}	56.9±1.5
		Rat	sc	LD_{50}	2100
		Rat	sc	MLD	1650
		Rat	ip	LD_{50}	184
		Rat	ip	LD	300
		Rat	ip	LD_{50}	225±24
		Rat	ip	LD_{50}	269.4±5.8
		Rat	iv	LD_{50}	38.3±1.6
		Rat	iv	LD_{50}	53
		Guinea pig	sc	MLD	430
		Guinea pig	ip	MLD	60
		Guinea pig	iv	MLD	50
		Rabbit	sc	MLD	460
		Rabbit	iv	LD_{50}	57
		Guinea pig	sc	MLD	430
		Guinea pig	ip	MLD	60
		Guinea pig	iv	MLD	50
		Rabbit	sc	MLD	460
		Rabbit	iv	LD_{50}	44
		Rabbit	iv	LD_{50}	57
		Cat	sc	MLD	450
		Cat	iv	MLD	40-45
		Dog	sc	MLD	250
1653	Progesterone	Rat	ip	LD_{100}	327.1
1654	Prolan	Rat	or	LD_{50}*	4000
		Rabbit	ct	LD_{50}	400-800
1655	Promurit	Mouse	ip	LD_{50}	1.35
		Rat ♀	or	LD_{50}*	0.28
		Rat ♀	ip	LD_{50}	0.2
		Guinea pig	ip	LD_{50}	1.9
		Rabbit	ip	LD_{50}	1.75
1656	Propadrine	Rabbit	iv	LD	75
1657	Propanol	Mouse	or	MLD	3500-4500
		Mouse	sc	MLD	4985
		Rat	or	LD_{50}	1870
		Rat	ip	MLD	3216
		Rabbit	ct	LD_{50}	5.04 cc
		Rabbit	iv	LD	4020
		Cat	iv	LD	1608
		Dog	or	LD	2975-3296
		Dog	sc	LD	4020-4502
1658	Propionaldehyde	Mouse	sc	LD_{50}	680
		Rat	or	LD_{50}	1410
		Rat	sc	LD_{50}	820
		Rabbit	ct	LD_{50}	5.04 cc
1659	Propionic anhydride	Rat	or	LD_{50}	2360
		Rabbit	ct	LD_{50}	10 cc

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Schamp, Anesthesiology 3:398, 1942.	1652
			Ibid	
			Rose, J. Lab. Clin. Med. 15:731, 1930.	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
			Burgison, Fed. Proc. 10:284, 1951.	
			Rose, J. Lab. Clin. Med. 15:731, 1930.	
			Rau, J. Pharm. Exp. Ther. 101:421, 1951.	
			Schamp, Anesthesiology 3:398, 1942.	
			Ibid	
			Rose, J. Lab. Clin. Med. 15:731, 1930.	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
			Ibid	
			Ibid	
			Ibid	
			Rose, J. Lab. Clin. Med. 15:731, 1930.	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
			Ibid	
			Ibid	
			Ibid	
			Burgison, Fed. Proc. 10:284, 1951.	
			Rose, J. Lab. Clin. Med. 15:731, 1930.	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
			Ibid	
			Ibid	
	Peanut oil	6 hr	Selye, Proc. Soc. Exp. Biol. Med. 46:116, 1941.	1653
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	1654
			Ibid, 16:3, 1952.	
	Prop gly		Cochran, Fed. Proc. 8:283, 1949.	1655
			Ibid	
	Prop gly		Ibid	
	Prop gly		Ibid	
	Prop gly		Ibid	
			Chen, J. Pharm. Exp. Ther. 36:363, 1929.	1656
			Weese, Arch. exp. Path. Pharm. 135:118, 1928.	1657
			Starrek, Dissert., Würzburg 1938.	
1340-2600			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	
			Lendle, Arch. exp. Path. Pharm. 132:214, 1928.	
3.4-7.46 cc			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	
			Lehman, J. Pharm. Exp. Ther. 61:103, 1937.	
			Macht, J. Pharm. Exp. Ther. 16:1, 1921.	
			Dujardin, C. rend. Acad. sc. 81:192, 1875.	
			Ibid	
		24 hr	Skog, Acta pharm. tox. 6:299, 1950.	1658
960-2080			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	
		24 hr	Skog, Acta pharm. tox. 6:299, 1950.	
3.4-7.46 cc			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	
2060-2710			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	1659
5.3-19.0 cc			Ibid	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1660	Propionitrile	Frog	sc	MLD	8000
		Rat	or	LD$_{50}$	39
		Rabbit	sc	MLD	65
		Rabbit	ct	LD$_{50}$	210
		Rabbit	iv	MLD	50
		Pigeon	im	LD	1250
1661	3-Propionoxy-6-dimethylamino-4,4-diphenylheptane	Mouse	sc	LD$_{50}$	250
1662	3-Propionoxy-6-dimethylamino-4,4-diphenyl-5-methylhexane	Mouse	sc	LD$_{50}$	600
1663	Proponal	Rat	sc	LD$_{50}$	260
		Rat	sc	MLD	200-350
1664	p-(n-Propoxy)benzaldehyde	Mouse	or	LD$_{50}$	1.8 cc
		Rat	or	LD$_{50}$	1.6 cc
1665	n-Propyladrenalin	Mouse	sc	LD	200
1666	p-n-Propylbenzaldehyde	Mouse	or	LD$_{50}$	1.8 cc
		Rat	or	LD$_{50}$	4.2 cc
1667	Propylbenzazepine	Mouse	ip	LD$_{50}$	145±13
		Mouse	iv	LD$_{50}$	17±2.3
1668	n-Propyl cinnamate	Mouse	or	LD$_{50}$	7 cc
		Guinea pig	or	LD$_{50}$	3 cc
1669	Propylenebenzazepine	Mouse	or	LD$_{50}$	460±29
		Mouse	sc	LD$_{50}$	725±43
		Mouse	im	LD$_{50}$	600±125
		Mouse	ip	LD$_{50}$	210±13
		Mouse	iv	LD$_{50}$	26.5±5
		Rabbit	iv	LD$_{50}$	26.5±5.1
		Dog	iv	LD$_{50}$	50±24
1670	Propylene chlorohydrin	Rat	or	LD$_{50}$	220
		Guinea pig	or	LD$_{50}$	720
1671	Propylene glycol	Mouse	or	LD$_{50}$	2200
		Mouse	or	LD	23,900
		Mouse	sc	LD$_{50}$	18,500
		Mouse ♀	ip	LD$_{50}$	9730
		Mouse	iv	LD$_{50}$	5000
		Mouse	iv	LD$_{50}$	8000
		Rat	or	LD$_{50}$	21,000
		Rat	or	LD$_{50}$	32,200
		Rat	sc	LD$_{50}$	24,900
		Rat	sc	LD$_{50}$	28,000
		Rat	ip	LD$_{50}$	13,000
		Rat	im	LD$_{50}$	13,400
		Rat	im	LD$_{50}$	20,000
	(continued on next page)	Guinea pig	or	LD$_{50}$	18,350

/1/Bovet and Bovet-Nitti, "Médicaments du Système Nerveux Végétatif," New York: S.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Verbrugge, Arch. int. pharmacod. 5:161, 1899.	1660
30-51			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	
			Verbrugge, Arch. int. pharmacod. 5:161, 1899.	
150-300			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	
			Lapigne, C. rend. Soc. biol. 41:251, 1889.	
			Meurice, Arch. int. pharmacod. 7:11, 1900.	
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	1661
			Eddy, J. Pharm. Exp. Ther. 98:121, 1950.	1662
			Vogt, Arch. exp. Path. Pharm. 152:341, 1930.	1663
			Gros, Arch. exp. Path. Pharm. 182:348, 1936.	
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	1664
			Ibid	
			Bovet & Bovet-Nitti.[1]	1665
			Div. Pharm. F. & D. Adm. Q. Rpt. 3, April 1946.	1666
			Ibid, Rpt. 4, June 1946.	
			Randall, J. Pharm. Exp. Ther. 103;10, 1951.	1667
			Ibid	
			Draize, J. Pharm. Exp. Ther. 93:26, 1948.	1668
			Ibid	
			Randall, J. Pharm. Exp. Ther. 103:10, 1951.	1669
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
190-270			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	1670
620-830			Ibid	
			Latven, J. Pharm. Exp. Ther. 65:89, 1939.	1671
22, 800-25, 100			Laug, J. Ind. Hyg. Tox. 21:173, 1939.	
			Latven, J. Pharm. Exp. Ther. 65:89, 1939.	
			Karel, Fed. Proc. 6:342, 1947.	
			Lehmann & Flury, "Industrial Solvents," 1943.	
			Latven, J. Pharm. Exp. Ther. 65:89, 1939.	
			Laug, J. Ind. Hyg. Tox. 21:173, 1939.	
			Weatherby, J. Am. Pharm. Assoc. 27:466, 1938.	
			Braun, J. Am. Pharm. Assoc. 25:746, 1946.	
			Thomas, J. Ind. Hyg. Tox. 31:256, 1949.	
			Ibid	
			Weatherby, J. Am. Pharm. Assoc. 27:466, 1938.	
			Thomas, J. Ind. Hyg. Tox. 31:256, 1949.	
16, 940-19, 870			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	

Karger, 1948.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1671	Propylene glycol (concluded)	Guinea pig	or	LD_{50}	18,900
		Rabbit	or	LD_{50}	19,200
		Rabbit	iv	LD_{50}	4100
		Rabbit	iv	LD_{50}	6200
		Dog	iv	LD	25,000
1672	1,3-Propylene glycol	Mouse	or	LD_{50}	6
1673	Propylene glycol ethyl ether (β-isomer)	Rat	or	LD_{50}	8930
1674	Propylene glycol methyl ether	Rat	or	LD_{50}	6.6 cc
1675	2-α-propylenephenoxyethyl-β-chloroethylamine	Mouse	sc	LD_{50}	>1000
1676	N-Propylepinephrine	Mouse	sc	LD	200
1677	n-Propyl-2-furylcarbamate	Rat	or	LD_{50}	1600
1678	Propyl gallate	Rat	or	LD_{50}	3800
		Rat	ip	LD_{50}	380
1679	n-Propylisome	Rat	or	LD_{50}*	15,000
		Rabbit	ct	LD_{50}*	>375^2
1680	Propyl lupetidene	Frog	sc	LD*	100
1681	β-Propylpiperidine (synthetic Coniine)	Rabbit	sc	LD	150
1682	n-Propylpiperidine	Rabbit	sc	LD	10
1683	n-Propyltrimethylammonium iodide	Mouse	ip	LD_{50}	68
1684	Protoveratrine	Frog^3	sc	LD_{50}	4.5
		Frog^4	sc	LD_{50}	13
		Mouse	iv	LD_{50}	0.048
		Mouse	ip	LD_{50}	0.44^5
		Mouse	ip	LD_{50}	0.37^5
		Rat	or	LD_{50}	5
		Rat	sc	LD_{50}	0.6
		Rabbit	sc	LD_{50}	0.11
		Rabbit	iv	LD_{50}	0.05
		Cat	sc	LD_{50}	0.5
1685	Protoverine	Mouse	iv	LD_{50}	194
1686	Pseudoephedrine	Rabbit	sc	MLD	500
		Rabbit	iv	MLD	100
1687	Psicaine	Mouse	sc	MLD	330
		Rat	iv^6	MLD	30
		Guinea pig	sc	MLD	95
		Guinea pig	ip	MLD	200
		Guinea pig	iv	MLD	20
		Cat	sc	MLD	60
		Cat	iv	MLD	15
		Dog	iv	LD	25

/1/Bovet and Bovet-Nitti, "Médicaments du Système Nerveux Végétatif," New York: from two commercial sources. /6/Slow injection.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
17, 200-20, 700			Laug, J. Ind. Hyg. Tox. 21:173, 1939.	1671
			Braun, J. Am. Pharm. Assoc. 25:746, 1936.	
			Weatherby, J. Am. Pharm. Assoc. 27:466, 1938.	
			Ajazzi, Boll. soc. ital. biol. sper. 14:68, 1939.	
			Hanzlik, J. Pharm. Exp. Ther. 67:101, 1939.	
			Kopf, Arch. exp. Path. Pharm. 210:346, 1950.	1672
7, 890 - 10, 900			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	1673
6. 1-6. 9 cc			Rowe, Arch. Ind. Hyg. Occ. Med. 9:509, 1954.	1674
		10 da	Nickerson, J. Pharm. Exp. Ther. 101:379, 1951.	1675
			Bovet & Bovet-Nitti. [1]	1676
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	1677
			Orten, Food Technol. 2:308, 1948.	1678
			Ibid	
			Lehman, Q. Bull. Assoc. F. &D. Off. 15:122, 1951.	1679
	H_2O		Lehman, Q. Bull. Assoc. F. &D. Off. 16:3, 1952.	
			Gürber, Dubois' Arch. f. Physiol. 401, 1890.	1680
			Granger, Ber. deut. chem. Ges. 30:1060, 1897.	1681
			Wolfenstein, Ber. deut. chem. Ges. 34:2408, 1901.	1682
			Alles, Univ. Cal. Publ. Pharmacol. 1:187, 1939.	1683
			Haas, Arch. exp. Path. Pharm. 189:397, 1938.	1684
			Ibid	
			Krayer, J. Pharm. Exp. Ther. 82:167, 1944.	
0. 30-0. 64			Swiss, Proc. Soc. Exp. Biol. Med. 76:347, 1951.	
0. 29-0. 48			Ibid	
			Krayer, Physiol. Rev. 26:383, 1946.	
			Ibid	
			Ibid	
			Haas, Arch. exp. Path. Pharm. 189:397, 1938.	
			Ibid	
			Krayer, J. Pharm. Exp. Ther. 82:167, 1944.	1685
			Chou, Proc. Soc. Exp. Biol. Med. 23:618, 1926.	1686
			Ibid	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	1687
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
			Mercier, C. rend. Acad. sc. 189:872, 1929.	

S. Karger, 1948. /2/4% solution. /3/Rana temporaria. /4/R. esculenta. /5/Preparations

	Compound	Animal	Route	Dose	Dosage mg/kg Value
1688	Psychotrine HCl	Rat	sc	LD	>1000
		Guinea pig	sc	LD	>200
1689	Pulvinic acid	Mouse	ip	LD_{50}	500
1690	Pyrethrins I & II	Mouse	ip	LD_{100}	200
		Rat	or	LD_{50}	820[1]
		Rat	or	LD_{50}	1870[1]
		Rat	ip	LD_{90}	200
		Guinea pig	or	LD_{50}	1500
		Guinea pig	ip	LD_{90}	200
		Dog	iv	LD	6-8
1691	Pyribenzamine	Mouse	or	LD_{50}	210
		Mouse	or	LD_{50}	97-44
		Mouse	or	LD_{50}	360±30
		Mouse	sc	LD_{50}	62
		Mouse	sc	LD_{50}	75
		Mouse	ip	LD_{50}	65
		Mouse	ip	LD_{50}	70±2
		Mouse	ip	LD_{50}	45
		Mouse	iv	LD_{50}	12
		Mouse	iv	LD_{50}	17±1.4
		Rat♂	or	LD_{50}	570
		Rat♀	or	LD_{50}	515
		Rat♀	sc	LD_{50}	225
		Rat♂	sc	LD_{50}	340
		Rat	iv	LD_{50}	13±1
		Rat	iv	LD_{50}	15-20
		Rabbit	sc	LD_{50}	33
		Rabbit	iv	LD_{50}	9
		Rabbit	iv	LD_{50}	12
		Hamster	iv	LD_{50}	13±1
1692	Pyridine	Mouse	ip	MLD*	1200
		Rat	or	LD_{50}	1580
		Rat	sc	LD_{50}	1000
		Guinea pig	or	MLD	4000
		Guinea pig	ip	MLD	870
		Rabbit	or	MLD	2000
1693	Pyridium	Rat	ip	LD_{100}	450[2]
1694	Pyridoxine	Mouse	iv	LD_{50}	545.3±42.9
		Rat	or	LD_{50}	5500[3]
		Rat	sc	LD_{50}	3700[3]
		Rat	sc	LD	3100[4]
		Rat	iv	LD_{50}	657.5±18.3
1695	N-(2-Pyridyl)-N',N'-dimethylenediamine fumarate	Mouse	or	LD_{50}	264-423
		Mouse	ip	LD_{50}	136

/1/ 20% in an olive oil base. /2/ 1% solution. /3/ Hydrochloride. /4/ Base.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Walters, J. Pharm. Exp. Ther. 10:73, 1917. Ibid	1688
			Brodersen, Acta pharm. tox. 2:109, 1946.	1689
680-1000 1340-2600	Pet oil Olive oil Olive oil Pet oil Pet oil Pet oil	48 hr	Shimkin, Proc. Soc. Exp. Biol. Med. 34:135, 1936. Carpenter, Arch. Ind. Hyg. Occ. Med. 2:420, 1950. Ibid Shimkin, Proc. Soc. Exp. Biol. Med. 34:135, 1936. Ibid Ibid Chevalier, Bull. sc. pharm. 37:154, 1930.	1690
63-67 36-57		Rapid	Loew, Physiol. Rev. 27:542, 1947. Orcutt, J. Pharm. Exp. Ther. 101:488, 1951. Hoppe, J. Pharm. Exp. Ther. 97:371, 1949. Van der Brock, J. Pharm. Exp. Ther. 94:197, 1948. Loew, Physiol. Rev. 27:542, 1947. Orcutt, J. Pharm. Exp. Ther. 101:488, 1951. Hoppe, J. Pharm. Exp. Ther. 97:371, 1949. Way, J. Pharm. Exp. Ther. 104:115, 1952. Loew, Physiol. Rev. 27:542, 1947. Hoppe, J. Pharm. Exp. Ther. 97:371, 1949. Loew, Physiol. Rev. 27:542, 1947. Ibid Ibid Ibid Hoppe, J. Pharm. Exp. Ther. 97:371, 1949. Van der Brock, J. Pharm. Exp. Ther. 94:197, 1948. Loew, Physiol. Rev. 27:542, 1947. Ibid Van der Brock, J. Pharm. Exp. Ther. 94:197, 1948. Hoppe, J. Pharm. Exp. Ther. 97:371, 1949.	1691
1420-1770			Baxter, J. Clin. Invest. 25:908, 1946. Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951. Brazda, Proc. Soc. Exp. Biol. Med. 62:19, 1946. Brunton, J. Physiol. 17:272, 1894. Ibid Distler, Dissert., Erlangen 1882.	1692
	H_2O	6½ hr	Walton, J. Pharm. Exp. Ther. 51:200, 1934.	1693
			Wiegand, Proc. Soc. Exp. Biol. Med. 44:147, 1940. Unna, J. Pharm. Exp. Ther. 73:85, 1941. Ibid Ibid Wiegand, Proc. Soc. Exp. Biol. Med. 44:147, 1940.	1694
125-148			Orcutt, J. Pharm. Exp. Ther. 101:488, 1951. Ibid	1695

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1696	Pyrogallol	Frog	sc	MLD	200-300
		Rat	sc	MLD	600-700
		Guinea pig	sc	MLD	800-1200
		Rabbit	or	MLD	1100
		Dog	or	MLD	25
		Dog	sc	MLD	300-400
		Dog	iv	MLD	80-100
1697	Pyronyl	Mouse	or	LD_{50}	1116±73
		Mouse	sc	LD_{50}	1270±156
		Mouse	im	LD_{50}	836.6±95
		Mouse	iv	LD_{50}	53.53±1.61
		Guinea pig	or	LD_{50}	992.6±107
		Guinea pig	sc	LD_{50}	1241±165
		Guinea pig	im	LD_{50}	625.6±41.9
1698	Pyrotartaric acid	Frog	sc	MLD	2400-2600
1699	Pyrrolazote	Mouse	sc	LD_{50}	1500
		Mouse	iv	LD_{50}	33-39
		Rat	iv	LD_{50}	24-27
		Rabbit	iv	LD_{50}*	38
1700	Pyrrole	Mouse	sc	MLD	60,500
1701	3-Pyrrolidyl-1,1-di-(2'-thienyl)-butane HCl	Mouse	or	LD_{50}	284
		Mouse	sc	LD_{50}	222
1702	3-Pyrrolidyl-1,1-di-(2'-thienyl)-butene HCl	Mouse	or	LD_{50}	215
		Mouse	sc	LD_{50}	121
1703	Pyrroline	Cat	sc	MLD	300
1704	Quercetin[1]	Mouse	or	LD_{50}	161
		Mouse	sc	LD_{50}	97
1705	Quercetin[2]	Mouse	or	LD_{50}	159
		Mouse	sc	LD_{50}	99
1706	Quinaldine	Rat	or	LD_{50}	1230
		Rabbit	ct	LD_{50}	1870
1707	Quinhydrone	Rat	or	LD_{50}*	225
		Rat	iv	LD_{50}*	35
1708	Quinidine	Frog	sc	MLD	250
		Mouse	sc	MLD	400
		Rat	ip	MLD	174
		Cat	iv	LD_{50}	21.6
1709	Quinidine sulfate	Mouse	or	LD_{50}	593.9±83.0
		Mouse	ip	LD_{50}	189.96±39.5
		Mouse	iv	LD_{50}	66.97±3.36
		Mouse	iv	LD_{50}	69.0±2.6
		Rat	ip	LD	200

/1/Derived from podophyllin. /2/Derived from quercetron.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	1696
			Ibid	
			Ibid	
			Heyroth, personal communication.	
			Vitalli, Tierchem. 29:827, 1894.	
			Neisser, Zschr. klin. Med. 1:88, 1880.	
			Gibbs, Dubois'Arch. f. Physiol. p344, 1890.	
			Lee, Proc. Soc. Exp. Biol. Med. 80:458, 1952.	1697
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Heymans, Dubois' Arch. f. Physiol. p168, 1889.	1698
			Van der Brock, J. Pharm. Exp. Ther. 94:197, 1948.	1699
			Ibid	
			Ibid	
			Ibid	
			Rabbeno, Arch. int. pharmacod. 59:431, 1938.	1700
266-302			Eddy, J. Pharm. Exp. Ther. 107:385, 1953.	1701
200-246			Ibid	
196-235			Eddy, J. Pharm. Exp. Ther. 107:385, 1953.	1702
112-130			Ibid	
		4 hr	Tunicliffe, Zbl. Physiol. 16:93, 1903.	1703
			Sullivan, Proc. Soc. Exp. Biol. Med. 77:269, 1951.	1704
			Ibid	
			Sullivan, Proc. Soc. Exp. Biol. Med. 77:269, 1951.	1705
			Ibid	
440-1620			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	1706
1340-2600			Ibid	
			Woodard, Fed. Proc. 8:348, 1949.	1707
			Ibid	
			Bonsmann, Arch. exp. Path. Pharm. 205:129, 1948.	1708
			Ibid	
			Ibid	
			Kirchmann, Arch. exp. Path. Pharm. 192:639, 1939.	
			Calesnick, J. Pharm. Exp. Ther. 102:138, 1951.	1709
			Ibid	
			Ibid	
			Scott, J. Pharm. Exp. Ther. 84:184, 1946.	
			Macht, J. Pharm. Exp. Ther. 22:21, 1923.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1710	Quinine	Frog	sc	LD	200
		Frog	sc	LD	400
		Frog	sc	LD	600[1]
		Frog	sc	MLD	200
		Frog	sc	MLD	700
		Rat	or	MLD	<500
		Rat	sc	MLD	200
		Rat	sc	LD	790
		Rat	im	MLD	300
		Rat	iv	MLD	<75
		Guinea pig	or	MLD	300
		Guinea pig	sc	MLD	160
		Guinea pig	sc	LD	293
		Rabbit	or	LD	800
		Rabbit	or	LD	1500[1]
		Rabbit	sc	LD	231
		Rabbit	sc	LD	250
		Rabbit	sc	LD	500[1]
		Rabbit	iv	LD	70[1]
		Cat	sc	MLD	100
		Dog	sc	LD*	180
		Rooster	or	LD	857[2]
1711	Quinine-n-amylchloride	Rat	iv	LD$_{50}$	4.5
		Rabbit	iv	LD$_{50}$	10
		Dog	iv	LD$_{50}$	15.6
1712	Quinine-n-butylchloride	Rat	iv	LD$_{50}$	7.2
		Rabbit	iv	LD$_{50}$	5.8
		Dog	iv	LD$_{50}$	9.5
1713	Quinine ethochloride	Rat	iv	LD$_{50}$	5.2
		Rabbit	iv	LD$_{50}$	7.6
		Dog	iv	LD$_{50}$	12.9
1714	Quinine hexylbromide	Rat	iv	LD$_{50}$	9.3
		Rabbit	iv	LD$_{50}$	10
		Dog	iv	LD$_{50}$	20.8
1715	Quinine isoamylbromide	Rat	iv	LD$_{50}$	5.3
		Rabbit	iv	LD$_{50}$	10.3
		Dog	iv	LD$_{50}$	20
1716	Quinine isopropylchloride	Rat	iv	LD$_{50}$	20.8
		Rabbit	iv	LD$_{50}$	13.2
		Dog	iv	LD$_{50}$	9.3
1717	Quinine methochloride	Rat	iv	LD$_{50}$	5
		Rabbit	iv	LD$_{50}$	7
		Dog	iv	LD$_{50}$	16.3
1718	Quinine-n-propylbromide	Rat	iv	LD$_{50}$	4.2
		Rabbit	iv	LD$_{50}$	3.4
		Dog	iv	LD$_{50}$	5.9

/1/Hydrobromide. /2/Hydrochloride.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Bonsmann, Arch. exp. Path. Pharm. 205:129, 1948.	1710
			Smith, J. Pharm. Exp. Ther. 8:53, 1916.	
			Flury, Abderhalden's Hdb. 4. 7b:1320.	
			Bonsmann, Arch. exp. Path. Pharm. 205:129, 1948.	
			Smith, J. Pharm. Exp. Ther. 8:53, 1916.	
			Nelson, J. Pharm. Exp. Ther. 63:122, 1938.	
			Bonsmann, Arch. exp. Path. Pharm. 205:129, 1948.	
			Flury, Abderhalden's Hdb. 4. 7b:1320.	
			Nelson, J. Pharm. Exp. Ther. 63:122, 1938.	
			Ibid	
		4-5 hr	Hunt, Arch. int. pharmacod. 12:497, 1904.	
			Bonsmann, Arch. exp. Path. Pharm. 205:129, 1948.	
			Flury, Abderhalden's Hdb. 4. 7b:1320.	
		7-9 hr	Hunt, Arch. int. pharmacod. 12:497, 1904.	
			Flury, Abderhalden's Hdb. 4: 7b:1320.	
			Ibid	
		2 hr*	Hunt, Arch. int. pharmacod. 12:497, 1904.	
			Flury, Abderhalden's Hdb. 4. 7b:1320.	
			Ibid	
			Bonsmann, Arch. exp. Path. Pharm. 205:129, 1948.	
			Flury, Abderhalden's Hdb. 4. 7b:1320.	
			Kohlschütter, Arch. exp. Path. Pharm. 201:402, 1943.	
			Chase, J. Pharm. Exp. Ther. 82:266, 1944.	1711
			Ibid	
			Ibid	
			Chase, J. Pharm. Exp. Ther. 82:266, 1944.	1712
			Ibid	
			Ibid	
			Chase, J. Pharm. Exp. Ther. 82:266, 1944.	1713
			Ibid	
			Ibid	
			Chase, J. Pharm. Exp. Ther. 82:266, 1944.	1714
			Ibid	
			Ibid	
			Chase, J. Pharm. Exp. Ther. 82:266, 1944.	1715
			Ibid	
			Ibid	
			Chase, J. Pharm. Exp. Ther. 82:266, 1944.	1716
			Ibid	
			Ibid	
			Chase, J. Pharm. Exp. Ther. 82:266, 1944.	1717
			Ibid	
			Ibid	
			Chase, J. Pharm. Exp. Ther. 82:266, 1944.	1718
			Ibid	
			Ibid	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1719	Quinine-n-propylchloride	Rat	iv	LD_{50}	6.9
		Rabbit	iv	LD_{50}	2.9
		Dog	iv	LD_{50}	4.3
1720	Quinoline	Rat	or	LD_{50}	460
		Rabbit	ct	LD_{50}	540
		Rabbit	sc	LD	200-400[1]
1721	Quinone	Rat	or	LD_{50}*	130
		Rat	iv	LD_{50}*	25
1722	Quinosol	Mouse	sc	MLD	20
		Rat	sc	MLD	30
		Guinea pig	or	LD_{10}	1200
		Cat	sc	MLD	30
1723	D-Quinuclidinol acetate HCl	Mouse	iv	LD_{50}	27
1724	Quinuclidinol-α-allyldiphenylacetate HCl	Mouse	ip	LD_{50}	132
1725	Quinuclidinolbenzilate HCl	Mouse	ip	LD_{50}	110
		Mouse	iv	LD_{50}	23.5
1726	Quinuclidinoldiphenylacetate-$\frac{1}{2}H_2SO_4.H_2O$	Mouse	ip	LD_{50}	150
		Mouse	iv	LD_{50}	28.1
		Dog	iv	LD_{50}	20
1727	L-Quinuclidinoldiphenylacetate HCl	Mouse	iv	LD_{50}	29.5
1728	Quinuclidinolethylbromide diphenylacetate	Mouse	ip	LD_{50}	52
		Mouse	iv	LD_{50}	3.7
1729	Quinuclidinol-9-fluorenecarboxylate HCl	Mouse	ip	LD_{50}	165
		Mouse	iv	LD_{50}	26
1730	Quinuclidinolmethylbromide-benzilate	Mouse	or	LD_{50}	492
		Mouse	sc	LD_{50}	500
		Mouse	ip	LD_{50}	54
		Mouse	iv	LD_{50}	16.1
		Dog	iv	LD_{50}	26
1731	Quinuclidinolmethylbromide diphenylacetate	Mouse	ip	LD_{50}	55
		Mouse	iv	LD_{50}	4.25
1732	Quotane	Rat	ip	LD_{50}	45-50
		Rabbit	iv	LD_{50}	5
1733	Resibufogenin	Cat	iv	LD_{50}	5.08-7.91
1734	Resorcinol (continued on next page)	Frog	sc	MLD	270-290
		Mouse	sc	MLD	340-360

/1/Salt.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Chase, J. Pharm. Exp. Ther. 82:266, 1944. Ibid Ibid	1719
240-890 350-830			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951. Ibid Flury, Abderhalden's Hdb. 4. 7b:1322.	1720
			Woodard, Fed. Proc. 8:348, 1949. Ibid	1721
			Heubner, Klin. Wschr. 52:1709, 1926. Ibid Anderson, Proc. Soc. Exp. Biol. Med. 28:484, 1931. Heubner, Klin. Wschr. 52:1709, 1926.	1722
			Randall, J. Pharm. Exp. Ther. 104:284, 1952.	1723
			Randall, J. Pharm. Exp. Ther. 104:284, 1952.	1724
			Randall, J. Pharm. Exp. Ther. 104:284, 1952. Ibid	1725
			Randall, J. Pharm. Exp. Ther. 104:284, 1952. Ibid Ibid	1726
			Randall, J. Pharm. Exp. Ther. 104:284, 1952.	1727
			Randall, J. Pharm. Exp. Ther. 104:284, 1952. Ibid	1728
			Randall, J. Pharm. Exp. Ther. 104:284, 1952. Ibid	1729
			Randall, J. Pharm. Exp. Ther. 104:284, 1952. Ibid Ibid Ibid Ibid	1730
			Randall, J. Pharm. Exp. Ther. 104:284, 1952. Ibid	1731
			Fellows, J. Pharm. Exp. Ther. 103:306, 1950. Ibid	1732
	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1733
		28 hr	Fühner, Arch. exp. Path. Pharm. 166:437, 1932. Ibid	1734

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1734	Resorcinol (concluded)	Rat	sc	MLD	400-500
		Guinea pig	sc	MLD	400-500
		Guinea pig	ip	MLD	300
		Dog	iv	LD	700-1000
1735	γ-Resorcylate sodium	Mouse	or	LD_{100}	>5000
		Mouse	sc	LD_{100}	2500
1736	Retrosine	Mouse	iv	LD_{50}	71.67±2.93
1737	Ricin[1]	Mouse	sc	LD	0.02
		Mouse	ip	LD	0.1
		Rat	sc	LD	0.02
		Guinea pig	sc	LD	0.02
		Guinea pig	im	LD	0.0008-0.0032
		Rabbit	sc	LD*	0.02
		Rabbit	im	LD	0.0001-0.0005
		Cat	im	LD	0.0002
		Cat	im	LD	0.1
		Dog	im	LD	0.0006-0.5
1738	Rimifon	Mouse	or	LD_{50}	142±10
		Mouse	ct	LD_{50}	203
		Mouse	sc	LD_{50}	160±11.2
		Mouse	sc	LD_{50}	203
		Mouse	im	LD_{50}	140±15.4
		Mouse	ip	LD_{50}	132±13.2
		Mouse	iv	LD_{50}	152±16.8
		Mouse	iv	LD_{50}	171
		Rat	or	LD_{50}	1435
		Rabbit	or	LD_{50}	250
		Rabbit	iv	LD_{50}	94
1739	Rivanol	Mouse	sc	LD	75
		Mouse	ip	LD	41.65
		Mouse	iv	LD	45.5
		Rabbit	sc	LD	100
		Rabbit	iv	LD	50
1740	Roccal	Mouse	or	LD_{50}	340
		Mouse	iv	LD_{50}	16
		Rat	or	LD_{50}	234.3±26.5
		Rat	or	LD_{50}	350
		Rat	or	LD_{50}	445
		Rat	ip	LD_{50}	50
		Guinea pig	or	LD_{50}	200
1741	Rodilone	Mouse	or	LD_{50}	2500
1742	Rotenone	Mouse	ip	LD_{100}	10
		Rat	or	LD_{80}	100
		Rat	or	LD_{50}*	132
		Rat	ip	LD_{100}	5
		Guinea pig	or	MLD*	200
		Guinea pig	or	MLD*	75

(continued on next page)

/1/ Toxicity of different preparations varies considerably.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	1734
			Ibid	
			Chassevant, Arch. int. pharmacod. 14:93, 1905.	
			Gibbs, Dubois'Arch. f. Physiol. p352, 1890.	
			Buttle, Brit. Med. J. 2:325, 1951.	1735
			Ibid	
			Henderson, Proc. Soc. Exp. Biol. Med. 76:530, 1951.	1736
			Carmichael, J. Pharm. Exp. Ther. 35:193, 1929.	1737
			Rpt. Chemother. Leukemia, So. Res. Inst.	
			Carmichael, J. Pharm. Exp. Ther. 35:193, 1929.	
			Ibid	
			Field, J. Exp. Med. 12:551, 1910.	
			Carmichael, J. Pharm. Exp. Ther. 35:193, 1929.	
			Field, J. Exp. Med. 12:551, 1910.	
			Ibid	
			Ibid	
			Ibid	
		1 da	Benson, Am. Rev. Tuberc. 65:376, 1952.	1738
			Grunberg, Q. Bull. Sea View Hosp. 13:3, 1952.	
		1 da	Benson, Am. Rev. Tuberc. 65:376, 1952.	
			Grunberg, Q. Bull. Sea View Hosp. 13:3, 1952.	
		1 da	Benson, Am. Rev. Tuberc. 65:376, 1952.	
		1 da	Ibid	
		1 da	Ibid	
		1 da	Grunberg, Q. Bull. Sea View Hosp. 13:3, 1952.	
		1 wk	Benson, Am. Rev. Tuberc. 65:376, 1952.	
		1 da	Ibid	
		1 da	Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1292.	1739
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 18:43, 1954.	1740
			Ibid	
			Alfredson, J. Am. Pharm. Assoc. 40:263, 1951.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 18:43, 1954.	
			Ibid	
			Ibid	
			Ibid	
			Molitor, Arch. int. pharmacod. 62:281, 1939.	1741
	Eth gly		Shimkin, Proc. Soc. Exp. Biol. Med. 34:135, 1936.	1742
	Eth gly		Ibid	
	Eth gly		Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1952.	
	Eth gly		Shimkin, Proc. Soc. Exp. Biol. Med. 34:135, 1936.	
	Eth gly		Ibid	
	Eth gly		Haag, J. Pharm. Exp. Ther. 43:193, 1931.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1742	Rotenone (concluded)	Guinea pig	sc	MLD*	16
		Guinea pig	im	MLD*	7
		Guinea pig	ip	MLD*	2
		Guinea pig	ip	MLD*	15
		Chicken	or	MLD	996
1743	Rubidium chloride	Mouse	ip	LD_{50}	1209
1744	Rubijervine	Mouse	iv	LD_{50}	70
1745	Rutgers 612	Mouse	or	LD_{50}	1.9 cc
		Rat	or	LD_{50}	1.4 cc
		Guinea pig	or	LD_{50}	4.2 cc
		Chicken	or	LD_{50}	2.5 cc
1746	Rutin	Mouse	iv	LD_{50}	950
		Mouse	iv	LD_{50}	4000[1]
1747	Ryania	Rat	or	LD_{50}*	750
		Rabbit	ct	LD_{50}	>4000
1748	Sabadilla[2]	Rat	or	LD_{50}*	4000
1749	Safrole	Rabbit	or	MLD*	1000
		Rabbit	sc	MLD*	1000
		Rabbit	iv	MLD	200
1750	Salicylaldehyde	Rat	sc	MLD	900-1000
1751	Salicylamide	Mouse	or	LD_{50}	1400
		Mouse	iv	LD_{50}	313
		Rat	or	LD_{50}	1400[3]
		Rat	or	LD_{50}	2000
		Rat	or	LD_{50}	1200
		Rat	ip	LD_{100}	1000-1500
		Rat	ip	LD_{50}	600
		Rabbit	or	LD_{50} *	3000
1752	Salicylcyclohexylamide	Rat	ip	LD_{50}	13
1753	Salicyldicyclohexylamide	Rat	ip	LD_{50}	2000
1754	Salicyldiethylamide	Rat	ip	LD_{50}	350
1755	Salicyldimethylamide	Rat	ip	LD_{50}	2000
1756	Salicylethylamide	Rat	ip	LD_{50}	250
1757	Salicylhydroxyethylamide	Rat	ip	LD_{50}	1500
1758	Salicylic acid	Frog	sc	MLD	500-900
		Mouse	sc	LD_{60}	520
		Rat	sc	MLD	700
		Guinea pig	sc	MLD	850
		Guinea pig	ip	MLD	900[4]
		Rabbit	or	LD	1100-1600
		Dog	or	MLD	450-500[4]
		Dog	sc	LD	300-400[4]
		Dog	ip	LD	991[4]

/1/ Suspension. /2/Veratrine-like alkaloids. /3/20% suspension in H_2O. /4/Sodium salt.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
	Eth gly		Haag, J. Pharm. Exp. Ther. 43:193, 1931.	1742
	Eth gly		Ibid	
	Eth gly		Ibid	
	Eth gly		Shimkin, Proc. Soc. Exp. Biol. Med. 34:135, 1936.	
			Cutkomp, J. Pharm. Exp. Ther. 77:238, 1943.	
			Alles, Univ. Cal. Publ. Pharmacol. 1:187, 1939.	1743
			Krayer, J. Pharm. Exp. Ther. 82:167, 1944.	1744
			Draize, J. Pharm. Exp. Ther. 93:26, 1951.	1745
			Ibid	
			Ibid	
			Ibid	
	Prop gly	3 da	Harrison, J. Am. Pharm. Assoc. 39:557, 1950.	1746
	H_2O		Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	1747
			Ibid, 16:3, 1952.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	1748
			Heffter, Arch. exp. Path. Pharm. 35:342, 1895.	1749
			Ibid	
			Ibid	
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	1750
			Hart, J. Pharm. Exp. Ther. 89:205, 1947.	1751
			Litter, J. Pharm. Exp. Ther. 101:119, 1951.	
	H_2O		Hart, J. Pharm. Exp. Ther. 89:205, 1947.	
		24 hr	Ichniowski, J. Am. Pharm. Assoc. 35:225, 1946.	
			Way, J. Pharm. Exp. Ther. 108:450, 1953.	
	G traga	24 hr	Ichniowski, J. Am. Pharm. Assoc. 35:225, 1946.	
			Way, J. Pharm. Exp. Ther. 108:450, 1953.	
			Hart, J. Pharm. Exp. Ther. 89:205, 1947.	
			Way, J. Pharm. Exp. Ther. 108:450, 1953.	1752
			Way, J. Pharm. Exp. Ther. 108:450, 1953.	1753
			Way, J. Pharm. Exp. Ther. 108:450, 1953.	1754
			Way, J. Pharm. Exp. Ther. 108:450, 1953.	1755
			Way, J. Pharm. Exp. Ther. 108:450, 1953.	1756
			Way, J. Pharm. Exp. Ther. 108:450, 1953.	1757
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	1758
			Hanzlik, Arch. int. pharmacod. 38:9, 1930.	
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1392.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg Value
1759	Salicylmethylamide	Rat	ip	LD$_{50}$	350
1760	Salicylphenylethylamide	Rat	ip	LD$_{50}$	1500
1761	Salicyl-n-propylamide	Rat	ip	LD$_{50}$	250
1762	Salicyluric acid (sodium salt)	Mouse Rat	sc sc	LD$_{60}$ LD$_{50}$	1130 3000
1763	Salyrgan	Mouse Mouse Rat Rat Rabbit Rabbit	im iv im iv im iv	LD$_{50}$ LD$_{50}$ LD$_{50}$ LD$_{50}$ LD$_{50}$ MLD	97.6±5.4 72.8±5.1 24.2±1.9 17.7±1.7 24.5±2.1 7-15
1764	Samarium nitrate	Frog Guinea pig	sc sc	MLD MLD	1000 500
1765	Sanochrysine	Frog Mouse Mouse Rat Rat Rat Guinea pig Rabbit Rabbit Rabbit Rabbit Rabbit	sc sc iv sc sc iv iv iv iv iv iv iv	LD MLD LD LD LD LD LD LD LD LD LD LD	50 100-300 150 100 30 50 40 75 100 64.8 389 58.8
1766	Santonin	Mouse Rabbit Rabbit Rabbit Dog	sc or sc iv sc	LD LD LD LD MLD	250-400 3000[1] 1000[1] 200[1] 100
1767	Santowhite	Rat ?	ip	LD$_{50}$	5000
1768	Saponin(e)[2]	Mouse Mouse Mouse Rabbit Cat	or sc iv iv iv	LD LD LD LD LD	3000 900 1000 40 46
1769	Sapotoxin[3]	Mouse Mouse Mouse Rabbit Rabbit Rabbit Dog Dog Dog	or sc iv or sc iv or sc iv	LD LD LD LD LD LD LD LD LD	1000 80 20 56-62 40 15 20-25 25 2.5

/1/ Sodium salt. /2/ From Sapindus. /3/ From Agrostemma.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Way, J. Pharm. Exp. Ther. 108:450, 1953.	1759
			Way, J. Pharm. Exp. Ther. 108:450, 1953.	1760
			Way, J. Pharm. Exp. Ther. 108:450, 1953.	1761
			Hanzlik, Arch. int. pharmacod. 8:30, 1916.	1762
			Ibid	
			Robbins, J. Am. Pharm. Assoc. 40:249, 1951.	1763
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Möller, Arch. exp. Path. Pharm. 148:67, 1930.	
			Steidle, Arch. exp. Path. Pharm. 145:19, 1929.	1764
			Ibid	
			Schlossmann, Heffter's Hdb. 3. 3:2134.	1765
		24 hr*	Kurosu, Zschr. ges. exp. Med. 57:77, 1927.	
		7 da	Schlossmann, Heffter's Hdb. 3. 3:2134.	
		24 hr	Ibid	
		Sev da	Ibid	
		7 da	Ibid	
		4 da	Ibid	
			Ibid	
		7 da	Ibid	
		14 da	Ibid	
		5 hr	Ibid	
		15 da	Ibid	
	Oil		Flury, Abderhalden's Hdb. 4. 7b:1394.	1766
			Ibid	
			Ibid	
			Ibid	
			Harnack, Arch. exp. Path. Pharm. 45:272, 447, 1901.	
			Mallette, Arch. Ind. Hyg. Occ. Med. 5:311, 1952.	1767
		1 da	Flury, Abderhalden's Hdb. 4. 7b:1394.	1768
		5 da	Ibid	
		1 da	Ibid	
			Ibid	
			Ibid	
		1 da	Flury, Abderhalden's Hdb. 4. 7b:1394.	1769
		2 da	Ibid	
		1 da	Ibid	
			Ibid	
			Ibid	
		Sev da	Ibid	
			Ibid	
		2-3 da	Ibid	
		15 hr	Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1770	Sarin	Frog[1]	sc	LD_{50}*	6
1771	Sarmentoside A[3]	Cat	iv	LD_{50}	0.0890
1772	Sarmentoside A monoacetate	Cat	iv	LD_{50}	3.616
1773	Sarmentoside C	Cat	iv	LD_{50}	0.0963
1774	Sarmol	Mouse	or	LD_{50}	25,000
1775	Sarmutoside	Cat	iv	LD_{50}	0.4776
1776	Sarnovide	Cat	iv	LD_{50}	0.1489
1777	Sarverogenin	Cat	iv	LD_{50}	0.5188
1778	Scillaren	Frog	sc	LD	0.8-1.1
		Rat	sc	LD	10
		Rabbit	or	LD	0.9
		Rabbit	sc	LD	0.7
		Rabbit	iv	LD	0.45
		Cat	iv	LD	0.18-0.62
1779	Scillarenin	Cat	iv	LD_{50}	0.1567
1780	Scopolamine	Mouse	sc	LD_{50}	1700
		Mouse	sc	LD_{50}	5875[4]
1781	Seconal sodium	Frog	sc	MLD	90
		Frog	iv	MLD	130
		Mouse	sc	MLD	160
		Mouse	ip	MLD	140
		Mouse	iv	MLD	80
		Rat	or	MLD	125
		Rat	sc	MLD	140
		Rat	ip	MLD	110
		Rat	iv	MLD	35
		Guinea pig	sc	MLD	60
		Guinea pig	ip	MLD	40
		Guinea pig	iv	MLD	35
		Rabbit	sc	MLD	90
		Rabbit	ip	MLD	50
		Rabbit	iv	MLD	45
		Cat	or	LD_{50}	50
		Cat	ip	MLD	75
		Cat	iv	MLD	50
		Dog	or	MLD	90
1782	Sedormid	Mouse	or	LD	600
		Rat	or	LD	600
		Guinea pig	or	LD	600
		Rabbit	or	LD	1250
		Dog	or	LD	300
1783	Selenium oxychloride	Rabbit	ct	LD	<7
1784	Serotonin	Mouse	sc	LD_{50}	>868
	(continued on next page)	Mouse	iv	LD_{50}	160

/1/ Bullfrog. /2/ Leupold-Löwenthal. /3/ Crude crystallisate. /4/ Hydrobromide.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Wilber, Science 120:322, 1954.	1770
0.0615-0.1418	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1771
3.313-4.287	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1772
0.0772-0.1334	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1773
			Löwenthal,[2] Wien med. Wschr. 101:61, 1951.	1774
0.3087-0.7653	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1775
0.0961-0.1973	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1776
0.2038-1.296	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1777
			Lendle, Heffter's Hdb. E. 1:78. Ibid Ibid Ibid Ibid Ibid	1778
0.1174-0.2248	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1779
			Molitor, J. Pharm. Exp. Ther. 56:85, 1936. Co Tui, Am. J. Pharm. 117:319, 1945.	1780
			Swanson, J. Am. Pharm. Assoc. 26:1248, 1937. Ibid Ibid Ibid Ibid Ibid Ibid Ibid Ibid Ibid Ibid Ibid Ibid Ibid Ibid Krop, J. Pharm. Exp. Ther. 88:260, 1946. Swanson, J. Am. Pharm. Assoc. 26:1248, 1937. Ibid Ibid	1781
			Domole, Deut. med. Wschr. 54:1166, 1928. Ibid Ibid Ibid Ibid	1782
			Dudley, Pub. Health Rpt. 53:94, 1938.	1783
 151-169			Freyburger, J. Pharm. Exp. Ther. 105:80, 1952. Ibid	1784

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1784	Serotonin (concluded)	Rat	sc	LD$_{50}$*	117
		Rat	iv	LD$_{50}$	30
1785	Silver nitrate	Rabbit	iv	LD	8-96
1786	Skatole	Frog	sc	MLD	1000
1787	Skiodan	Mouse	iv	MLD	7500
		Rabbit	iv	MLD	8000
		Dog	iv	MLD*	8000
1788	Sn 198	Rat	iv	LD$_{50}$	46
1789	Sn 216	Rat	iv	LD$_{50}$	38.4
1790	Snake venoms				
	Ancistrodon blomhoffi	Mouse	sc	LD$_{100}$	33
	Ancistrodon halys	Mouse	sc	LD$_{100}$	9
	Ancistrodon mokasen	Mouse	sc	LD$_{100}$	53
	Ancistrodon piscivorus	Mouse	sc	LD$_{100}$	45
	Bothrops altomata	Mouse	sc	LD$_{100}$	23
	Bothrops atrox	Mouse	sc	LD$_{100}$	31
	Bothrops cobiara	Mouse	sc	LD$_{100}$	15
	Bothrops itapatiningae	Mouse	sc	LD$_{100}$	25
	Bothrops jararaca	Mouse	sc	LD$_{100}$	7
	Bothrops jararacassu I	Mouse	sc	LD$_{100}$	9
	Bothrops jararacassu II	Mouse	sc	LD$_{100}$	26
	Bothrops neuwiedii	Mouse	sc	LD$_{100}$	14
	Bothrops insularis	Mouse	sc	LD$_{100}$	19
	Crotalus adamantus	Rat	ip	MLD	25
		Rat	ip	MLD	2
		Guinea pig	ip	MLD	0.4
		Rabbit	ip	MLD	0.4
	Crotalus atrox	Mouse	sc	LD$_{100}$	19
	Crotalus basilicus	Mouse	sc	LD$_{100}$	4
	Crotalus horridus	Mouse	sc	LD$_{100}$	36
	Crotalus terrificus	Mouse	sc	LD$_{100}$	1.1
	Lachesis muta	Mouse	sc	LD$_{100}$	57
	Micrurus frontalis	Mouse	sc	LD$_{100}$	2.5
	Sisturus catenatus	Mouse	sc	LD$_{100}$	9
	Trimeresurus anamallensis	Mouse	sc	LD$_{100}$	29
	Trimeresurus fleuroviridis	Mouse	sc	LD$_{100}$	16
1791	Sodium acetate	Mouse	iv	LD$_{50}$	380
1792	Sodium acetylsalicylate	Mouse	or	LD$_{50}$	1100
		Rat	or	LD$_{50}$	1500
		Rabbit	or	LD$_{50}$	1800
1793	Sodium arsenate	Frog	or	LD	600
		Frog	sc	LD	200
		Rat	ip	MLD	34.7-44.6
1794	Sodium arsenite	Mouse♂[1]	sc	LD$_{50}$	12.3±7.0
		Mouse♂	sc	LD$_{50}$	11.2±4.3
	(continued on next page)	Mouse♀	sc	LD$_{50}$	12.5±5.0

[1] Various strains.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
58-234			Freyburger, J. Pharm. Exp. Ther. 105:80, 1952.	1784
24-37			Ibid	
			Weergaard, Arch. exp. Path. Pharm. 110:103, 1925.	1785
			Bin-Ichi, Tohoku J. E. M. 25:407, 1935.	1786
		24 hr	Hecht, Heffter's Hdb. E. 8:102.	1787
	H_2O	5 min	Damm, Klin. Wschr. 11:2032, 1932.	
	H_2O		Heathcote, Brit. J. Radiol. 4:641, 1931.	
			Craver, Am. J. Dig. Dis. 18:241, 1951.	1788
			Craver, Am. J. Dig. Dis. 18:241, 1951.	1789
			Schöttler, Am. J. Trop. Med. 31:489, 1951.	1790
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Billing, J. Pharm. Exp. Ther. 38:173, 1930	
			Ibid (quoting Noguchi).	
			Ibid	
			Ibid	
			Schöttler, Am. J. Trop. Med. 31:489, 1951.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Welch, J. Lab. Clin. Med. 29:811, 1944.	1791
			Hart, J. Pharm. Exp. Ther. 89:205, 1947.	1792
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1307.	1793
			Ibid	
			Franke, J. Pharm. Exp. Ther. 58:454, 1936.	
			Beck, Proc. Soc. Exp. Biol. Med. 78:392, 1951	1794
			Ibid	
			Ibid	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1794	Sodium arsenite (concluded)	Mouse♂	sc	LD_{50}	9.8±0.59
		Mouse♂	sc	LD_{50}	12.0±0.55
		Mouse♂	sc	LD_{50}	10.5±0.37
		Mouse♂	sc	LD_{50}	9.8±0.55
		Mouse♂	iv	LD_{50}	10.7±0.42
		Rat	ip	MLD	9.6-10.7
1795	Sodium azide	Rat	or	LD_{100}	46-60
		Rat	sc	LD_{100}	38
		Rat	ip	LD_{100}	37
1796	Sodium benzoate	Rat	or	LD_{50}	4070
1797	Sodium bismuthate	Rat	or	LD_{100}	720
		Rat	im	LD_{100}	250
		Rat	iv	LD_{80}	11.5
		Rat	iv	LD_{100}	25
		Rabbit	or	LD_{100}	510
		Rabbit	im	LD_{100}	110
		Rabbit	iv	LD_{60}	6
		Rabbit	iv	LD_{100}	9
		Cat	or	LD_{100}*	200
		Dog	or	LD_{100}*	200
1798	Sodium bismuth thioglycolate	Rat	ip	MLD	26.2-31.4
		Guinea pig	ip	MLD	26.2-31.4
		Rabbit	im	MLD*	26.2-31.4
		Rabbit	iv	MLD	20.9-26.2
1799	Sodium bisulfite	Mouse	iv	LD_{50}	130±8
		Rat	iv	LD_{50}	115±10
		Rabbit	iv	LD_{50}	65
		Hamster	iv	LD_{50}	95±6
1800	Sodium bromate	Guinea pig	sc	MLD	100
		Rabbit	or	MLD	250-580
		Rabbit	iv	MLD	360
		Dog	sc	MLD	120
		Dog	sc	MLD	320
1801	Sodium bromide	Rat	or	LD_{50}	3500
		Rat	iv	MLD	1800
		Rabbit	or	MLD	3250
1802	Sodium cacodylate	Mouse	sc	LD	1250
		Rabbit	sc	LD	500
		Rabbit	iv	LD	250-400
		Chicken	im	LD	830
1803	Sodium chaulmoograte	Rat	sc	LD	2000
		Rat	iv	LD	200-300
1804	Sodium chlorate	Rat	or	LD	12,000
		Rat	ip	LD	6000
	(continued on next page)	Rabbit	or	LD	8,000-12,000

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Beck, Proc. Soc. Exp. Biol. Med. 78:392, 1951.	1794
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Franke, J. Pharm. Exp. Ther. 58:454, 1936.	
		3 hr	Fairhall, Pub. Health Rpt. 58:607, 1943.	1795
		3 hr	Ibid	
		3 hr	Ibid	
3720-4440			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	1796
		7 da	Hanzlik, J. Pharm. Exp. Ther. 62:372, 1938.	1797
		72 hr	Ibid	
		24 hr	Ibid	
			Ibid	
			Ibid	
		72 hr	Ibid	
		24 hr	Ibid	
			Ibid	
			Ibid	
			Ibid	
			Gruhzit, Arch. Derm. Syph. 15:550, 1927.	1798
			Ibid	
			Ibid	
			Ibid	
			Hoppe, J. Pharm. Exp. Ther. 101:101, 1951.	1799
			Ibid	
			Ibid	
			Ibid	
		8 hr	Santesson, Skand. Arch. Physiol. 30:337, 1913.	1800
		12 hr*	Ibid	
		$2\frac{1}{2}$ hr	Ibid	
		1 wk	Ibid	
		12 hr	Ibid	
			Smyth, J. Pharm. Exp. Ther. 55:200, 1935.	1801
			Loeser, J. Lab. Clin. Med. 15:35, 1929.	
		48 hr	Bernoulli, Arch. exp. Path. Pharm. 73:355, 1913.	
			Heffter, Heffter's Hdb. 3. 1:503.	1802
			Keeser, Heffter's Hdb. E. 3:178.	
			Heffter, Heffter's Hdb. 3. 1:503.	
			Ibid	
			Anderson, Int. J. Leprosy 2:39, 1934.	1803
			Ibid	
			Ulrich, J. Pharm. Exp. Ther. 35:1, 1929.	1804
			Ibid	
			Stokuis, Arch. exp. Path. Pharm. 21:169, 1886.	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1804	Sodium chlorate (concluded)	Cat	or	LD	1350-1940
		Cat	sc	LD	1000
		Dog	or	LD	700
		Dog	ip	LD	12,000
		Dog	iv	LD	1000[1]
1805	Sodium chloride	Mouse	ip	LD_{50}	3096
		Rat[2]	sc	MLD	3500
		Rat	ip	LD	5000
		Rat	iv	MLD	2500
		Guinea pig	iv	MLD*	2910[3]
1806	Sodium chromate	Guinea pig	sc	LD	20-30
		Rabbit	sc	LD	243
		Rabbit	iv	LD	97-162
		Rabbit	iv	LD	19.4-32
		Dog	iv	LD	145.8-162
1807	Sodium citrate (Mono-), $NaH_2(C_6H_5O_7).7H_2O$	Mouse	ip	LD_{50}	1760
		Mouse	iv[4]	LD_{50}	53.4
		Rat	ip	LD_{50}	1460
		Rabbit	iv[5]	LD_{50}	410
1808	Sodium citrate (Di-), $Na_2H(C_6H_5O_7).7H_2O$	Mouse	ip	LD_{50}	2680
		Mouse	iv[4]	LD_{50}	107
		Rat	ip	LD_{50}	2620
		Rabbit	iv[5]	LD_{50}	630
1809	Sodium citrate(Tri-), $Na_3(C_6H_5O_7).2H_2O$	Mouse	ip	LD_{50}	1615
		Mouse	iv[4]	LD_{50}	194
		Rat	ip	LD_{50}	1760
		Rabbit	iv[5]	LD_{50}	510
1810	Sodium cyanate	Rat	im	LD_{50}	310±5
1811	Sodium cyanide	Frog	sc	MLD	60-65
		Mouse	sc	MLD	10
		Rabbit	sc	MLD	2.2
		Dog	iv	LD	2.8-29.0[6]
1812	Sodium dehydroacetate	Rat	or	LD_{50}*	645
1813	Sodium dichromate	Frog	iv	LD	172.8
		Mouse	iv	LD	52.4
		Guinea pig	sc	LD	51
		Rabbit	iv	LD	36.7
		Rabbit	iv	LD	38.7-59.6
		Rabbit	iv	LD	179-298
		Dog	iv	LD	357.6-417.2
1814	Sodium fluoride	Frog	sc	MLD	400
		Mouse	or	LD	80
		Mouse	sc	LD	70
		Mouse	ip	LD	125
		Rat	or	LD_{50}	200
	(continued on next page)	Rat	sc	MLD	125

/1/ 5% solution in H_2O rapidly injected. /2/ Young animals. /3/ 10% solution in H_2O.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
		2½-5 hr	Lipschitz, Arch. exp. Path. Pharm. 144:570, 1932.	1804
		Sev da	Becker, Arch. exp. Path. Pharm. 201:197, 1943.	
		5½ hr	Flury, Abderhalden's Hdb. 4. 7b:1328.	
		67 min	Marchana, Arch. exp. Path. Pharm. 22:201, 1886.	
	H_2O	10 min	Flury, Abderhalden's Hdb. 4. 7b:1324.	
			Alles, Univ. Cal. Pub. Pharmacol. 1:187, 1939.	1805
			Main, Endocrinology 24:523, 1939.	
			Ulrich, J. Pharm. Exp. Ther. 35:1, 1929.	
			Loeser, J. Lab. Clin. Med. 15:35, 1929.	
	H_2O		Amberg, J. Pharm. Exp. Ther. 6:595, 1915.	
			Flury, Abderhalden's Hdb. 4. 7b:1330.	1806
		45 min	Eichler, Heffter's Hdb. 3. 3:1520.	
		5-7 hr	Ibid	
		2-4 da	Ibid	
		78 min	Ibid	
			Gruber, J. Pharm. Exp. Ther. 94:65, 1948.	1807
			Ibid	
			Ibid	
			Ibid	
			Gruber, J. Pharm. Exp. Ther. 94:65, 1948.	1808
			Ibid	
			Ibid	
			Ibid	
			Gruber, J. Pharm. Exp. Ther. 94:65, 1948.	1809
			Ibid	
			Ibid	
			Ibid	
			Birch, Brit. J. Pharm. 1:186, 1946.	1810
			Fühner, Arch. exp. Path. Pharm. 166:455, 1932.	1811
		½-1 hr	Ibid	
			Chen, J. Am. Med. Assoc. 100:1920, 1933.	
			Lawrence, Fed. Proc. 6:349, 1947.	
			Spencer, J. Pharm. Exp. Ther. 98:30, 1950.	1812
			Cavalli, Arch. int. pharmacod. 62:330, 1939.	1813
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1330.	
			Cavalli, Arch. int. pharmacod. 62:330, 1939.	
		2-5 da	Eichler, Heffter's Hdb. 3. 3:1520.	
		5-7 hr	Ibid	
		3/4-2 hr	Ibid	
			Simonin, C. rend. Soc. biol. 124:133, 1937.	1814
			Schulz, Dissert., Hamburg 1936.	
			Ibid	
		32 min	Flury, Abderhalden's Hdb. 4. 7b:1349.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
			Muehlberger, J. Pharm. Exp. Ther. 39:247, 1930.	

/4/ Rapid injection. /5/ Slow injection. /6/ Depending on rate of injection.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1814	Sodium fluoride (concluded)	Rat	ip	MLD	28-35
		Guinea pig	or	MLD	250
		Guinea pig	sc	MLD	400
		Rabbit	or	MLD	100-200
		Rabbit	or	MLD	200
		Rabbit	iv	LD	87.5
		Cat	sc	LD	13.7
		Dog	or	MLD	50-100
		Dog	sc	LD	150-160
		Dog	im	MLD	31-50
		Dog	iv	MLD	80
1815	Sodium-γ-fluorocrotonate	Frog	sc	LD$_{50}$	25
		Mouse	iv	LD$_{50}$	1
		Rat	ip	LD$_{50}$	1
		Rabbit	iv	LD$_{50}$	0.15
		Dog	iv	LD$_{50}$	0.05-0.07
		Monkey[1]	iv	LD$_{50}$	2.5
1816	Sodium formaldehyde sulfoxylate	Mouse	sc	LD	4000
		Rat	or	LD	>1000
		Rat	iv[2]	LD	>2000
1817	Sodium fumarate	Rat	or	MLD*	8000
		Rabbit	iv	MLD*	500
1818	Sodium hexametaphosphate	Mouse	or	LD	>100
		Dog[3]	iv	LD*	140
1819	Sodium hydnocarpate	Rat	sc	MLD*	2000
		Rat	iv	MLD	100-125
1820	Sodium hydroxide	Rabbit	or	LD	535[4]
		Rabbit	or	LD	577[4]
		Rabbit	or	LD	625[4]
		Rabbit	or	LD	833[5]
		Rabbit	or	LD	500[6]
		Rabbit	or	LD	943[6]
1821	Sodium hydroxymercuribenzoate[7]	Rat	ip	LD$_{50}$	15.5
1822	Sodium hydroxymercuribenzoate[8]	Rat	ip	LD$_{50}$	4.96
1823	Sodium salt of o-(N-γ-hydroxymercuri-β-hydroxyethoxypropylcarbamyl)phenoxyacetic acid	Mouse	im	LD$_{50}$	117.9±8.1
		Mouse	iv	LD$_{50}$	112.9±10.8
		Rat	im	LD$_{50}$	34.8±4.4
		Rat	iv	LD$_{50}$	32.2±2.8
		Rabbit	im	LD$_{50}$	26.2±4.1
1824	Sodium iodate	Rabbit	iv	LD	75-100
		Dog	iv	LD	200
1825	Sodium iodide	Rat	iv	MLD	1300
1826	Sodium iodomethionate	Mouse	iv	LD	10,000

/1/Rhesus. /2/Slow injection. /3/Young animals. /4/2% solution. /5/3% solution. /6/10%

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Roholm, Heffter's Hdb. E. 7:27.	1814
			Simonin, C. rend. Soc. biol. 124:133, 1937.	
			Ibid	
			Roholm, Heffter's Hdb. E. 7:27.	
			Muehlberger, J. Pharm. Exp. Ther. 39:247, 1930.	
			Leake, J. Pharm. Exp. Ther. 33:279, 1928.	
		2 hr	Flury, Abderhalden's Hdb. 4. 7b:1349.	
			Roholm, Heffter's Hdb. E. 7:27.	
			Flury, Abderhalden's Hdb. 4. 7b:1349.	
			Roholm, Heffter's Hdb. E. 7:27.	
			Ibid	
			Chenoweth, J. Pharm. Exp. Ther. 97:383, 1949.	1815
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Rosenthal, Pub. Health Rpt. 49:908, 1934.	1816
			Ibid, 48:1543, 1933.	
			Ibid, 49:908, 1934.	
			Levey, J. Am. Pharm. Assoc. 35:298, 1946.	1817
			Bodansky, J. Am. Pharm. Assoc. 31:1, 1942.	
			Behrens, Arch. exp. Path. Pharm. 169:238, 1933.	1818
			Ibid	
			Anderson, Int. J. Leprosy 2:39, 1934.	1819
			Ibid	
		3½ da	Fazekas, Arch. exp. Path. Pharm. 184:587, 1937.	1820
		26 hr	Ibid	
		12 hr	Ibid	
		7 hr	Ibid	
		14½ da	Ibid	
		10½ da	Ibid	
		8 da	Haley, J. Am. Pharm. Assoc. 36:30, 1947.	1821
		8 da	Haley, J. Am. Pharm. Assoc. 36:30, 1947.	1822
			Robbins, J. Am. Pharm. Assoc. 40:249, 1951.	1823
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Maxwell, J. Pharm. Exp. Ther. 40:451, 1930.	1824
			Flury, Abderhalden's Hdb. 4. 7b:1359.	
			Loeser, J. Lab. Clin. Med. 15:35, 1929.	1825
			Binz, Biochem. Zschr. 252:16, 1932.	1826

solution. /7/Ortho salt. /8/Para salt.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1827	Sodium DL-malate	Cat	sc	LD*	3300
		Dog	sc	LD	1730
1828	Sodium L-malate	Rabbit	or	LD	6600
		Rabbit	sc	LD	4000
		Rabbit	sc	LD	2330
		Dog	sc	LD	2770
1829	Sodium malonate	Mouse	iv	LD_{50}	2100
		Rat	ip	LD_{50}	2500
1830	Sodium metaphosphate	Rabbit	iv	MLD	130
1831	Sodium metavanadate	Rabbit	or	LD	200
		Rabbit	iv	LD	17
		Dog	sc	LD	17
		Dog	iv	LD	11
1832	Sodium molybdate	Rat	ip	MLD	285-292
1833	Sodium nitrate	Frog	sc	MLD	450
		Rat♂	or	MLD	1100-2000
		Rat♀	or	MLD	460-1200
		Rat♂	or	MLD	190-200
		Rat♀	or	MLD	57-130
1834	Sodium nitrite	Frog	sc	LD	1000
		Rat	sc	MLD	10-20
		Rabbit	sc	MLD	60
		Rabbit	sc	LD_{100}	170
		Rabbit	iv	MLD	80-90
		Cat	sc	LD_{100}	35
		Dog	or	MLD	330
		Dog	sc	MLD	50-70
1835	Sodium nitroprusside	Frog	sc	LD_{100}	40-160
		Mouse	sc	MLD	9.5
		Mouse	sc	MLD	12
		Guinea pig	iv	MLD	100-200
		Rabbit	or	LD_{100}	250
		Rabbit	sc	MLD	4.8
		Cat	sc	LD_{100}	50
		Cat	iv	LD_{100}*	1
		Dog	or	MLD	200
		Dog	sc	LD_{100}	80
		Dog	iv	LD_{100}*	1
		Pigeon	sc	MLD	10-12
1836	Sodium orthophosphate[1]	Mouse	or	LD	>100
		Rabbit	iv	MLD	4250
		Dog	iv	LD	>240
1837	Sodium oxalate	Frog	sc	MLD	800[2]
		Frog	sc	MLD	480-600[2]
	(continued on next page)	Mouse	sc	MLD	100-200

/1/ Primary. /2/ Dose not related to unit weight by source.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Wise, J. Biol. Chem. 28:185, 1916.	1827
		24 hr	Tomita, Biochem. Zschr. 123:231, 1921.	
		12 hr	Otha, Biochem. Zschr. 44:481, 1912.	1828
		3 hr	Tomita, Biochem. Zschr. 123:231, 1921.	
		8 hr	Ibid	
		12 hr	Otha, Biochem. Zschr. 44:481, 1912.	
			Gruber, Arch. int. pharmacod. 79:461, 1949.	1829
			Ibid	
			Jones, J. Am. Water Works Assoc. 32:1471, 1940.	1830
		12 hr+	Lendle, Heffter's Hdb. 3. 3:1541.	1831
		Few min	Ibid	
			Ibid	
			Ibid	
			Fairhall, Pub. Health Bull. 293, 1945.	1832
			Orestano, Arch. ital. farm. 6:153, 1937.	1833
			Tarr, J. Fish. Res. Board Can. 6:63, 1942.	
			Ibid	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1372.	1834
		2-3 hr	Becker, Arch. exp. Path. Pharm. 201:197, 1943.	
			Flury, Abderhalden's Hdb. 4. 7b:1372.	
			Hesse, Arch. exp. Path. Pharm. 126:209, 1927.	
			Oltman, J. Pharm. Exp. Ther. 41:121, 1931.	
			Hesse, Arch. exp. Path. Pharm. 126:209, 1927.	
			Flury, Abderhalden's Hdb. 4. 7b:1372.	
			Dossin, Arch. int. pharmacod. 21:425, 1911.	
			Johnson, Arch. int. pharmacod. 35:480, 1929.	1835
			Ibid	
			Hunt, Arch. int. pharmacod. 12:447, 1904.	
			Gibbs, Am. Chem. J. 13:361, 1891.	
			Johnson, Arch. int. pharmacod. 35:480, 1929.	
			Ibid	
			Ibid	
			Ibid	
		48 hr	Gibbs, Am. Chem. J. 13:361, 1891.	
			Johnson, Arch. int. pharmacod. 35:480, 1929.	
			Ibid	
			Ibid	
			Behrens, Arch. exp. Path. Pharm. 169:238, 1933.	1836
			Jones, J. Am. Water Works Assoc. 32:1471, 1940.	
			Behrens, Arch. exp. Path. Pharm. 169:238, 1933.	
			Vietinghoff-Scheel, Arch. int. pharmacod. 8:225, 1901.	1837
			Heymans, Dubois'Arch. f. Physiol. 13:168, 1889.	
			Vietinghoff-Scheel, Arch. int. pharmacod. 8:225, 1901.	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1837	Sodium oxalate (concluded)	Rabbit	im	LD_{100}	200
		Cat	sc	LD	100
		Cat	sc	LD	300
1838	Sodium permanganate	Rabbit	iv	LD	54.8
1839	Sodium persulfate	Rabbit	iv	MLD	178
1840	Sodium phosphate (acid)	Rat	ip	LD_{50}	250
1841	Sodium phthalate	Mouse	ip	LD_{50}	2100
1842	Sodium pyrophosphate	Mouse	or	LD*	40
		Rabbit	iv	MLD	70
		Dog	iv	MLD	50
1843	Sodium rhenate	Rat	ip	MLD	1350-1500
1844	Sodium salicylate	Mouse	or	LD_{50}	900
		Mouse	sc	LD_{50}	520
		Rat	or	LD_{50}	1600
		Rat	sc	LD_{50}	650
		Guinea pig	ip	LD	900
		Rabbit	or	LD_{50}	1700
		Cat	sc	LD_{100}	800-1000
		Dog	or	LD	450-500
		Dog	sc	LD	300-400
		Dog	sc	LD	940
		Dog	ip	LD	941
1845	Sodium selenate	Rat	ip	MLD	13.8
		Rat	iv	LD_{50}	3-4
		Rabbit	or	LD_{100}	4
		Rabbit	iv	LD_{100}	2.5
1846	Sodium selenite	Rat	ip	MLD	7.2-7.7
		Rat	iv	LD_{50}	3
		Rabbit	or	LD_{100}	4
		Rabbit	iv	LD_{100}	1.5
		Dog	sc	LD	4
		Dog	iv[1]	LD	3
		Dog	iv[2]	LD	90
1847	Sodium silicofluoride	Frog	sc	MLD	400
		Rat	or	LD_{50}*	125
		Rat	sc	MLD	70
		Guinea pig	or	MLD	250
		Guinea pig	sc	MLD	500
		Rabbit	or	MLD	125
		Rabbit	sc	MLD	74-149
		Rabbit	iv	LD	6.06
1848	Sodium sorbate	Rat	or	LD_{50}	7160
1849	Sodium succinate (Mono-)	Cat	iv	MLD*	2000[3]
1850	Sodium succinate (Di-)	Mouse	iv	LD_{50}	4500[4]

/1/ Rapid injection. /2/ Slow injection. /3/ Isotonic solution. /4/ 30% solution in H_2O.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
		 Sev da Rapid	Gates, J. Pharm. Exp. Ther. 9:353, 1917. Hofbauer, Dissert., Würzburg 1933. Ibid	1837
		50-60 hr	Sabatini, Ber. Phys. med. Ges. 49:276, 1928.	1838
			DaVal, Arch. int. sc. farm. 2:445, 1933.	1839
			Boyd, Exp. Med. Surg. 4:223, 1951.	1840
			Hodge, Proc. Soc. Exp. Biol. Med. 49:471, 1942	1841
			Behrens, Arch. exp. Path. Pharm. 169:238, 1933. Jones, J. Am. Water Works Assoc. 32:1471, 1940. Behrens, Arch. exp. Path. Pharm. 169:238, 1933.	1842
		½-1 hr	Maresh, Proc. Soc. Exp. Biol. Med. 45:576, 1940.	1843
			Hart, J. Pharm. Exp. Ther. 89:205, 1947. Hanzlik, J. Pharm. Exp. Ther. 38:9, 1930. Hart, J. Pharm. Exp. Ther. 89:205, 1947. Johnson, J. Pharm. Exp. Ther. 36:319, 1929. Flury, Abderhalden's Hdb. 4. 7b:1392. Hart, J. Pharm. Exp. Ther. 89:205, 1947. Waddell, Arch. Int. Med. 8:784, 1911. Flury, Abderhalden's Hdb. 4. 7b:1392. Ibid Ibid Ibid	1844
			Franke, J. Pharm. Exp. Ther. 58:454, 1936. Smith, J. Pharm. Exp. Ther. 60:449, 1937. Ibid Ibid	1845
			Franke, J. Pharm. Exp. Ther. 58:454, 1936. Smith, J. Pharm. Exp. Ther. 60:449, 1937. Ibid Ibid Flury, Abderhalden's Hdb. 4. 7b:1397. Ibid Ibid	1846
		2 min	Simonin, C. rend. Soc. biol. 124:133, 1937. Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951. Muehlberger, J. Pharm. Exp. Ther. 39:247, 1930. Simonin, C. rend. Soc. biol. 124:133, 1937. Ibid Muehlberger, J. Pharm. Exp. Ther. 39:247, 1930. Wieland, Arch. exp. Path. Pharm. 97:489, 1923. Marcovitch, J. Pharm. Exp. Ther. 34:179, 1928.	1847
6820-7520			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	1848
	H_2O		Friend, J. Am. Pharm. Assoc. 36:50, 1947.	1849
	H_2O		Zuckerbrod, Ann. Int. M. 32:905, 1950.	1850

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1851	Sodium sulfate	Mouse	iv	LD	1220±90
		Rabbit	iv	LD	4470
		Rabbit	iv	MLD	9102
1852	Sodium sulfide	Rabbit	iv	LD	6
1853	Sodium sulfite	Mouse	iv	LD_{50}	175±6
		Guinea pig	sc	LD	600
		Guinea pig	iv	LD	200
		Cat	sc	LD	1300-1600
		Cat	iv	LD	400
		Dog	sc	LD	1300-1600
1854	Sodium tartrate	Rat	or	LD_{50}	1290
		Rat	sc	MLD	3500
		Rabbit	sc	MLD	1000
1855	Sodium tellurate	Rat	ip	MLD	37.2-55.8
1856	Sodium tellurite	Rat	ip	MLD	3.8-4.3
1857	Sodium thiocyanate	Mouse	or	LD_{50}	598.4±18.3
		Mouse	sc	LD	400-600
		Mouse	iv	LD_{50}	483.5±9.3
		Rat	or	LD_{50}	764.7±50.9
		Rat	ip	LD_{50}	540±42.5
		Guinea pig	or	LD	600-800[1]
		Guinea pig	or	MLD	380
		Guinea pig	sc	MLD	230
		Guinea pig	ip	MLD	210
		Guinea pig	ip	MLD	500
		Rabbit	or	MLD	440
		Rabbit	sc	MLD	300
		Rabbit	sc	MLD	500
		Dog	sc	MLD	160
		Dog	iv	MLD	90
1858	Sodium thioglycollate	Rat	ip	LD_{50}	148
		Rabbit	iv	MLD*	100
1859	Sodium thiosulfate, $Na_2S_2O_3 \cdot 5H_2O$	Rat	iv	LD	>2500
1860	Sodium trimetaphosphate	Mouse	or	LD	>100
		Dog	iv	LD	240
1861	Sodium tungstate, $Na_2WO_4 \cdot 2H_2O$	Frog	sc	MLD	568-994
		Rat	sc	LD	568
		Rat	sc	LD_{50}	223-255
		Guinea pig	or	LD	990
		Guinea pig	sc	LD	810
		Rabbit	sc	MLD	78.1
		Cat	or	LD	190
		Cat	sc	MLD	2105.8
		Dog	sc	MLD	140.5
	(continued on next page)	Dog	sc	LD	125

/1/ 1.25-3.0% solution in H_2O.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Hoppe, J. Pharm. Exp. Ther. 101:101, 1951.	1851
			Flury, Abderhalden's Hdb. 4. 7b:1372.	
			DaVal, Arch. ital. sc. farm. 2:445, 1933.	
			Flury, Abderhalden's Hdb. 4. 7b:1396.	1852
			Hoppe, J. Pharm. Exp. Ther. 101:101, 1951.	1853
			Flury, Abderhalden's Hdb. 4. 7b:1396.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Levey, J. Am. Pharm. Assoc. 35:298, 1946.	1854
			Flury, Abderhalden's Hdb. 4. 7b:1372.	
			Ibid	
			Franke, J. Pharm. Exp. Ther. 58:454, 1936.	1855
			Franke, J. Pharm. Exp. Ther. 58:454, 1936.	1856
			Anderson, J. Am. Pharm. Assoc. 29:152, 1940.	1857
			Flury, Abderhalden's Hdb. 4. 7b:1391.	
			Anderson, J. Am. Pharm. Assoc. 29:152, 1940.	
			Ibid	
			Krantz, Proc. Soc. Exp. Biol. Med. 74:321, 1950.	
	H_2O	1-4$\frac{1}{2}$ da	Flury, Abderhalden's Hdb. 4. 7b:1391.	
			Carratala, Rev. Asoc. méd. argent. 58:861, 1944.	
			Ibid	
			Ibid	
			Jahr, Arch. exp. Path. Pharm. 169:429, 1933.	
			Carratala, Rev. Asoc. méd. argent. 58:861, 1944.	
			Ibid	
			Jahr, Arch. exp. Path. Pharm. 169:429, 1933.	
			Carratala, Rev. Asoc. méd. argent. 58:861, 1944.	
			Ibid	
			Freeman, Fed. Proc. 11:347, 1952.	1858
		24 hr	Cohen, J. Pharm. Exp. Ther. 35:343, 1929.	
			Voegtlin, J. Pharm. Exp. Ther. 37:297, 1925.	1859
			Behrens, Arch. exp. Path. Pharm. 169:238, 1933.	1860
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1418.	1861
			Ibid	
			Kinard, Am. J. Med. Sc. 199:668, 1940.	
			Pulewka, Heffter's Hdb. 3. 4:2232.	
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1418.	
			Pulewka, Heffter's Hdb. 3. 4:2232.	
			Flury, Abderhalden's Hdb. 4. 7b:1418.	
			Ibid	
			Pulewka, Heffter's Hdb. 3. 4:2232.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1861	Sodium tungstate, $Na_2WO_4 \cdot 2H_2O$ (concluded)	Chicken	sc	LD	400
1862	Sodium vanadate (ortho)	Rabbit	or	LD	100
		Rabbit	sc	LD	9-15
		Rabbit	iv	LD	20-30
1863	Sodium vanadite	Rat	ip	MLD	8.8-11.1
1864	Sodium zirconyl sulfate	Rat	or	LD_{50}	10,000[1]
		Rat	ip	LD_{50}	4100[1]
1865	Solanine	Rabbit	iv	LD	20-30
1866	Sorbic acid	Rat	or	LD_{50}	7360
1867	Sparteine	Toad	sc	MLD*	375
		Mouse	sc	MLD	120[2]
		Rabbit	sc	MLD	100[2]
		Rabbit	iv	MLD	30[2]
		Pigeon	sc	MLD	86[2]
1868	Spergon	Rat	or	LD_{50}*	4000
		Rat	ip	LD_{50}	500
1869	Sprintillamine	Mouse	sc	LD	1
		Mouse	sc	LD	2
		Rabbit	iv	LD	5-7
1870	Squill (red)[3]	Rat	or	LD_{50}	125±9.7
		Rat	or	LD_{50}	175±24.3
		Rat	or	LD_{50}	1500[4]
		Rat	or	LD_{50}	1000[5]
		Rat♂[6]	or	LD_{50}	276±29
		Rat♀[6]	or	LD_{50}	133±10
1871	Squill (white)[7]	Rat	or	LD_{50}	10,000-15,000
1872	Stannic iodide	Rat	iv	MLD	200
1873	Stannous chloride	Dog	iv	LD	20-50
1874	Stovaine	Frog	sc	MLD	975
		Mouse	sc	MLD	170-520
		Rat	iv	MLD	25-30
		Guinea pig	sc	MLD	210
		Guinea pig	ip	MLD	230
		Guinea pig	iv	MLD	10-40
		Rabbit	sc	MLD	178
		Rabbit	iv	MLD	28.5
		Cat	iv	MLD	25-30[8]
		Dog	sc	MLD	100-150
1875	Streptomycin sulfate	Mouse	sc	LD_{50}	970
1876	Stroboside	Cat	iv	LD_{50}	0.2554

/1/ 25% solution in H_2O. /2/ Sulfate. /3/ Toxicity varies with age and specimen of drug
rat. /7/ Cultivated. /8/ 2% solution.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Pulewka, Heffter's Hdb. 3.4:2232.	1861
		13 hr	Lendle, Heffter's Hdb. 3.3:1541.	1862
			Ibid	
			Ibid	
			Franke, J. Pharm. Exp. Ther. 58:454, 1936.	1863
	H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	1864
	H_2O		Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1398.	1865
6690-8900			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	1866
			Heathcote, J. Pharm. Exp. Ther. 27:431, 1926.	1867
			Zipf, Arch. exp. Path. Pharm. 200:536, 1942-43.	
		1 hr	Flury, Abderhalden's Hdb. 4.7b:1398.	
		Few min	Ibid	
			Ibid	
			McGavack, J. Ind. Hyg. Tox. 25:98, 1943.	1868
			Ibid	
		60 min	Franzen, Arch. exp. Path. Pharm. 159:183, 1931.	1869
		30 min	Ibid	
			Ibid	
			Ligon, Fed. Proc. 9:295, 1950.	1870
			Ibid	
			Wokes, Q. J. Pharm. Pharmacol. 7:565, 1934.	
			Ibid	
			Dieke, Pub. Health Rpt. 61:672, 1946.	
			Ibid	
			Wokes, Q. J. Pharm. Pharmacol. 7:565, 1934.	1871
			Kolmer, J. Pharm. Exp. Ther. 43:515, 1931.	1872
		Instant	Flury, Abderhalden's Hdb. 4.7b:1421.	1873
			Hirschfelder, Physiol. Rev. 12:262, 1932.	1874
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
	H_2O		Hooper, Am. J. Physiol. 68:120, 1924.	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
			Ambrose, Proc. Soc. Exp. Biol. Med. 76:466, 1951.	1875
0.1512-0.3721	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1876

and with species and sex of animals. /4/ Wild squill. /5/ Cultivated squill. /6/ Norway

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1877	Strontium acetate	Mouse	iv	LD	383
		Rat	iv	LD	238
1878	Strontium bromide	Rat	ip	LD_{50}	1000
		Rat	iv	MLD	500
1879	Strontium chloride	Rat	iv	MLD	400
1880	Strontium fluoride	Frog	sc	MLD	>25,000
		Rat	iv	LD	625
		Guinea pig	or	MLD	>5000
		Guinea pig	sc	MLD	>5000
1881	Strontium iodide	Rat	ip	LD_{50}	800
		Rat	iv	MLD	500
1882	Strontium lactate	Rat	ip	LD_{50}	900
1883	Strontium nitrate	Rat	ip	LD_{50}	540
1884	Strontium salicylate	Rat	ip	LD_{50}	400
1885	K-Strophanthidin	Rabbit	iv	MLD	1.1
		Cat	iv	MLD	0.28
1886	Strophanthin G	Frog	sc	LD	0.4-1.0
		Mouse	sc	LD	8-13
		Rat	sc	LD	50-100
		Rat	iv[1]	LD	42.5
		Rat	iv[2]	LD	17.2
		Guinea pig	sc	LD	0.1-0.3
		Guinea pig	im	LD_{50}*	0.26
		Rabbit	or	LD	8-20
		Rabbit	sc	LD	0.1-0.4
		Rabbit	iv	LD	0.1-0.2
		Cat	or	LD	2.4
		Cat	sc	LD	0.15-0.20
		Cat	iv	LD	0.15
		Cat	iv	LD	0.12
		Cat	iv	LD	0.09
		Dog	or	LD	1.5
		Dog	sc	LD	0.1-0.15
		Dog	iv	LD	0.125-0.175
1887	Strophanthin H	Guinea pig	sc	LD	0.2
		Rabbit	sc	LD	0.125
		Rabbit	iv	LD	0.2-0.4
1888	Strophanthin K (crystalline)	Frog	sc	LD	0.75-1.0
		Mouse	sc	LD	5-9
		Rat	sc	LD	60-90
		Rat	iv	LD_{50}*	15.1[3]
		Guinea pig	sc	LD	0.4
		Rabbit	or	LD	20
		Rabbit	sc	LD	0.5
	(continued on next page)	Rabbit	iv	LD	0.25

/1/ Slow injection. /2/ Rapid injection. /3/ Varies with rate of injection.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Cole, J. Pharm. Exp. Ther. 71:1, 1941.	1877
			Ibid	
			Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	1878
		45 min	Loeser, J. Lab. Clin. Med. 15:35, 1929.	
			Cole, J. Pharm. Exp. Ther. 71:1, 1941.	1879
			Simonin, C. rend. Soc. biol. 124:133, 1937.	1880
		60 hr	Loeser, J. Lab. Clin. Med. 15:35, 1929.	
			Simonin, C. rend. Soc. biol. 124:133, 1937.	
			Ibid	
			Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	1881
		45 min	Loeser, J. Lab. Clin. Med. 15:35, 1929.	
			Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	1882
			Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	1883
			Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	1884
			Neumann, Arch. exp. Path. Pharm. 185:328, 1937.	1885
			Ibid	
			Lendle, Heffter's Hdb. E. 1:78.	1886
			Ibid	
			Ibid	
			Heubner, Arch. exp. Path. Pharm. 177:60, 1934.	
			Ibid	
			Lendle, Heffter's Hdb. E. 1:78.	
			White, J. Pharm. Exp. Ther. 52:1, 1934.	
			Lendle, Heffter's Hdb. E. 1:78.	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1401.	
			Lendle, Heffter's Hdb. E. 1:78.	
		30 min	Maresh, Fed. Proc. 5:191, 1946.	
		60 min	Ibid	
		90 min	Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1401.	
			Lendle, Heffter's Hdb. E. 1:78.	
			Ibid	
			Lendle, Heffter's Hdb. E. 1:78.	1887
			Ibid	
			Ibid	
			Lendle, Heffter's Hdb. E. 1:78.	1888
			Ibid	
			Ibid	
			Mehnert, Arch. exp. Path. Pharm. 184:181, 1936.	
			Lendle, Heffter's Hdb. E. 1:78.	
			Ibid	
			Ibid	
			Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1888	Strophanthin K (crystalline) (concluded)	Cat	sc	LD	0.3
		Cat	iv	LD	0.13
		Dog	iv	LD	0.11
1889	Strophanthin K (amorphous)	Frog	sc	LD	1.1-3.0
		Mouse	sc	LD	25
		Rat	sc	LD	50-80
		Guinea pig	sc	LD	1
		Rabbit	or	LD	30
		Rabbit	sc	LD	1
		Rabbit	iv	LD	0.23
		Rabbit	iv	MLD	0.20
		Cat	iv	LD	0.17
		Cat	iv	MLD	0.16
		Dog	iv	LD	0.15
1890	Strychnine	Frog	sc	LD	0.35-2.1
		Mouse	sc	MLD	0.5-1.25
		Rat	or	MLD	5
		Rat	or	LD_{50}*	16.2
		Rat	sc	MLD	3[1]
		Rat	im	MLD	2.5[1]
		Rat	im	MLD	4
		Rat♂	ip	LD_{50}	1.4-2.3
		Rat♀	ip	LD_{50}	0.9-1.4
		Rat	iv	MLD	1.1
		Guinea pig	sc	LD	3.0-3.4
		Rabbit	or	LD	0.6-30
		Rabbit	sc	LD	0.4-1.0
		Rabbit	iv	LD	0.2-0.5
		Cat	or	LD	0.75
		Cat	sc	LD	0.75
		Cat	iv	LD	0.3-0.35
		Dog	or	LD	1.0-1.2
		Dog	or	LD	0.3-0.4
		Dog	sc	LD	0.3-0.4
		Dog	iv	LD	0.2-0.3
		Pigeon	or	LD	8.5-11.0
		Pigeon	sc	LD	1.0-1.5
		Chicken	sc	MLD	2.2
1891	Subtilin	Mouse	or	LD_{50}	5000[2]
		Mouse	sc	LD_{50}	670±30[2]
		Mouse	iv	LD_{50}	60±3[2]
1892	Succinic acid	Frog	sc	MLD	1800-2000
1893	Succinochlorimide	Rat	or	MLD	2700
		Rat	iv	LD	400
1894	Succinylnitrile	Frog	sc	MLD	1000
		Rabbit	sc	MLD	36
1895	Succinylsulfathiazole	Mouse	ip	LD_{50}	5700
		Mouse	ip	LD_{50}	7500[3]

/1/ Nitrate. /2/ 1% solution in H_2O. /3/ Sodium salt.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Lendle, Heffter's Hdb. E. 1:78.	1888
			Ibid	
			Ibid	
			Lendle, Heffter's Hdb. E. 1:78.	1889
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Neumann, Arch. exp. Path. Pharm. 185:328, 1937.	
			Lendle, Heffter's Hdb. E. 1:78.	
			Neumann, Arch. exp. Path. Pharm. 185:328, 1937.	
			Lendle, Heffter's Hdb. E. 1:78.	
			Flury, Abderhalden's Hdb. 4. 7b:1403.	1890
			Ibid	
			Amann, Arch. exp. Path. Pharm. 201:161, 1943.	
			Lehman, Q.Bull.Assoc.F.&D.Off. 18:122, 1951.	
		1/3-2 hr	Kreitmair, Arch. exp. Path. Pharm. 187:607, 1937.	
			Amann, Arch. exp. Path. Pharm. 201:161, 1943.	
			Poe, J. Pharm. Exp. Ther. 58:239, 1936.	
			Ibid	
			Ibid	
			Amann, Arch. exp. Path. Pharm. 201:161, 1943.	
			Flury, Abderhalden's Hdb. 4. 7b:1403.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
		12-75 min	Ibid	
			Ibid	
			Ibid	
			Ibid	
			Heinekamp, J. Pharm. Exp. Ther. 23:146, 1924.	
	H_2O		Anderson, Science 103:419, 1946.	1891
	H_2O		Ibid	
	H_2O		Ibid	
			Heymans, Dubois' Arch. f. Physiol. 13:168, 1889.	1892
			Stohlman, Pub. Health Rpt. 59:541, 1944.	1893
		1/2-18 hr	Ibid	
			Heymans, Arch. int. pharmacod. 3:77, 1897.	1894
			Ibid	
	Oil	4 hr	Welch, J. Pharm. Exp. Ther. 75:231, 1942.	1895
	H_2O	1/2-1 hr	Ibid	

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1896	Sulfacetimide	Mouse	or	LD_{50}	16,500
		Rabbit	or	LD_{50}	15,000
		Dog	or	LD_{50}	8000
1897	Sulfadiazine (sodium salt)	Mouse	sc	LD_{50}	1500-1750
1898	Sulfaguanidine	Mouse	ip	LD_{100}*	1000
1899	Sulfamethylthiazole sodium	Mouse	sc	LD_{50}	860
		Rat	ip	LD_{100}	750
1900	Sulfamic acid	Rat	or	MLD	1600
		Rat	ip	MLD*	100
1901	Sulfanilamide	Mouse	or	LD_{50}	3700
		Mouse	or	LD_{50}	4200
		Mouse	sc	MLD	6000-8000[1]
		Rat	or	LD_{50}	3900-10,000
		Rat	ip	LD_{50}*	2600
		Rat	ip	LD_{50}	600-700[2]
		Rabbit	or	LD_{50}	3500-5000
		Dog	or	LD_{50}	2000
1902	Sulfapyridine	Mouse	or	LD_{50}	27,000[3]
		Mouse	or	LD_{50}	15,000
		Mouse	sc	LD_{50}	1000[3]
		Mouse	sc	LD_{50}	1390[3]
		Mouse	iv	LD_{50}	960[3]
		Rat	or	LD_{100}	3000
		Rat	or	LD_{50}	15,800
		Rat	ip	LD_{100}	1500
		Rabbit	iv	LD_{25}	500[3]
		Rabbit	iv	LD_{100}	1000[3]
		Dog	iv	LD	500[3]
1903	Sulfaquinoxaline	Mouse	or	LD	15,000
		Rat	or	LD	1000
1904	Sulfarsphenamine	Rat	sc	MLD	400-700
		Rat	iv	MLD	320-480
1905	Sulfathiazole	Mouse	or	LD_{50}	4500[3]
		Mouse	sc	LD_{50}	1450-1950
		Mouse	iv	LD_{50}	990[3]
		Rat	ip	LD_{100}	1250
1906	Sulfoacetic acid	Rat	or	LD_{50}	3160
		Rabbit	ct	LD_{50}	1570
1907	Sulfonal	Guinea pig	or	MLD	8500
		Rabbit	or	LD	3000
		Dog	or	LD	900
1908	Sulfox-Cide[4]	Rat	or	LD_{50}*	2000
		Rabbit	ct	LD_{50}*	>9 cc
1909	Suosan	Rat	ip	LD_{50}	1000

/1/ Isotonic solution. /2/ Hydrochloride. /3/ Sodium salt. /4/ Commercial name.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
	G acacia		Fisher, J. Urol. 47:183, 1942.	1896
	G acacia		Ibid	
	G acacia		Ibid	
		24 hr+	Feinstone, Bull. Johns Hopkins Hosp. 67:427, 1940.	1897
	Olive oil	12-24 hr	Marshall, Bull. Johns Hopkins Hosp. 67:163, 1940.	1898
			Lehr, Proc. Soc. Exp. Biol. Med. 45:15, 1940.	1899
		20 hr	Ibid	
		12-20 hr	Ambrose, J. Ind. Hyg. Tox. 25:26, 1943.	1900
		4-72 hr	Ibid	
	G acacia		Fisher, J. Urol. 47:183, 1942.	1901
			Wien, Q. J. Pharm. Pharmacol. 11:217, 1938.	
			Barlow, Proc. Soc. Exp. Biol. Med. 37:315, 1937.	
			Marshall, Physiol. Rev. 19:280, 1939.	
			Poe, Proc. Soc. Exp. Biol. Med. 37:559, 1937.	
			Ibid	
		1-3 da	Molitor, J. Pharm. Exp. Ther. 65:405, 1939.	
			Fisher, J. Urol. 47:183, 1942.	
			Wien, J. Pharm. Exp. Ther. 84:203, 1945.	1902
	H_2O		Ibid	
			Lehr, Proc. Soc. Exp. Biol. Med. 45:15, 1940.	
			Wien, J. Pharm. Exp. Ther. 84:203, 1945.	
			Ibid	
			Molitor, Arch. int. pharmacod. 62:281, 1939.	
	H_2O		Wien, Q. J. Pharm. Pharmacol. 11:217, 1938.	
		3 hr	Lehr, Proc. Soc. Exp. Biol. Med. 45:15, 1940.	
			Kohn-Richards, Am. J. Physiol. 129:399, 1940.	
			Ibid	
			Ibid	
			Seeler, J. Pharm. Exp. Ther. 82:357, 1944.	1903
			Ibid	
			Voegtlin, Pub. Health Rpt. 37:2783, 1922.	1904
			Ibid	
			Wien, J. Pharm. Exp. Ther. 84:203, 1945.	1905
			Lehr, Proc. Soc. Exp. Biol. Med. 45:15, 1940.	
			Wien, J. Pharm. Exp. Ther. 84:203, 1945.	
		11 hr	Lehr, Proc. Soc. Exp. Biol. Med. 45:15, 1940.	
			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	1906
1000-2460			Ibid	
		24 hr	Flury, Abderhalden's Hdb. 4.7b:1404.	1907
		24 hr	Ibid	
			Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	1908
			Ibid, 16:3, 1952.	
			Kiese, Arch. exp. Path. Pharm. 208:178, 1949.	1909

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1910	Sympatol	Frog	sc	MLD	1370-1600[1]
		Frog	sc	MLD	2000-2300[2]
		Mouse	sc	MLD	2070-2420[1]
		Mouse	sc	MLD	3200-3400[2]
1911	Synephrin	Mouse	sc	LD	700-800
1912	2, 4, 5-T	Rat	or	LD$_{50}$*	300
		Dog	or	LD$_{50}$*	100
1913	Tagathen	Mouse	ip	LD$_{50}$	105
1914	Tanghiniferin	Cat	iv	LD$_{50}$	0. 9443
1915	Tanghinigenin	Cat	iv	LD$_{50}$	1.016
1916	Tanghinin	Cat	iv	LD$_{50}$	0. 3524
1917	Tannic acid	Mouse	or	LD$_{100}$	6000
		Mouse	sc	LD$_{100}$	200
		Mouse	iv	LD$_{100}$	80
1918	Tantalum chloride	Rat	or	LD$_{50}$	1900[3]
		Rat	ip	LD$_{50}$	75[3]
1919	Tantalum oxide	Rat	or	LD$_{50}$	>8000[4]
1920	Taurocholic acid sodium	Frog	sc	MLD*	1444
		Rabbit	iv	MLD*	350
		Dog	iv	MLD*	600-700
1921	TBH[5]	Rabbit	ct	LD$_{50}$*	>1880
1922	Tenebryl	Mouse	iv	MLD	3330
1923	Tergitol 08[6]	Rat	or	LD$_{50}$	10. 3 cc
		Guinea pig	or	LD$_{50}$	3. 8 cc
1924	Tergitol 4[7]	Rat	or	LD$_{50}$	5 cc
		Guinea pig	or	LD$_{50}$	2. 6 cc
1925	Tergitol 7[8]	Rat	or	LD$_{50}$	5. 7 cc
		Guinea pig	or	LD$_{50}$	1. 7 cc
1926	Terramycin HCl	Mouse	or	LD$_{50}$	7200
		Mouse	sc	LD$_{50}$	892
		Rat	iv	LD$_{50}$	280
1927	Testosterone	Rat♀	ip	LD$_{100}$*	325.5
1928	sym.-Tetrabromoethane	Guinea pig	or	LD$_{50}$*	400
		Rabbit	or	LD$_{50}$*	400
1929	sym.-Tetrachloroethane	Rabbit	sc	MLD	500
		Rabbit	iv[9]	LD$_{50}$	80
		Dog	or	MLD	700
		Dog	iv	MLD	60
1930	Tetrachloroethylene (continued on next page)	Mouse	or	LD	8120
		Mouse	or	LD$_{50}$*	8850[10]

/1/Base. /2/Tartrate. /3/50% solution in H_2O. /4/50% suspension in H_2O. /5/20% solution. 7-ethyl-2-methyldecanol-4-sulfate. /8/25% aqueous solution of sodium 3,9-diethyltridecanol-

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Fühner, Arch. exp. Path. Pharm. 166:437, 1932.	1910
			Ibid	
		½ hr	Ibid	
			Ibid	
			Kuschinsky, Arch. exp. Path. Pharm. 156:290, 1930.	1911
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	1912
			Drill, Arch. Ind. Hyg. Occ. Med. 7:61, 1951.	
92-109			Castillo, J. Pharm. Exp. Ther. 96:388, 1949.	1913
0.5034-1.3344	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1914
0.6486-1.5675	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1915
0.2273-0.8372	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1916
		1-3 da	Robinson, J. Pharm. Exp. Ther. 77:63, 1943.	1917
		1-2 da	Ibid	
		1-2 da	Ibid	
	H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	1918
	H_2O		Ibid	
	H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	1919
			Flury, Abderhalden's Hdb. 4.7b:1350.	1920
			Ibid	
			Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 16:3, 1952.	1921
			Binz, Biochem. Zschr. 252:16, 1932.	1922
9.0-11.4 cc			Smyth, J. Ind. Hyg. Tox. 23:478, 1941.	1923
3.3-4.2 cc			Ibid	
4.4-5.5 cc			Smyth, J. Ind. Hyg. Tox. 23:478, 1941.	1924
2.3-2.8 cc			Ibid	
4.8-6.6 cc			Smyth, J. Ind. Hyg. Tox. 23:478, 1941.	1925
1.3-2.2 cc			Ibid	
6585-8232			P'An, J. Pharm. Exp. Ther. 99:234, 1950.	1926
819-972			Ibid	
233-336			Ibid	
		6 hr	Selye, Proc. Soc. Exp. Biol. Med. 46:116, 1941.	1927
			Grey, Arch. Ind. Hyg. Occ. Med. 2:407, 1950.	1928
			Ibid	
		24 hr	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	1929
			Hart, J. Pharm. Exp. Ther. 98:12, 1950.	
		24 hr	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	
		30 min	Ibid	
		2-9 hr	Lamson, Am. J. Hyg. 9:430, 1929.	1930
			Dybing, Acta pharm. tox. 2:223, 1946.	

/6/40% aqueous solution of sodium 2-ethylethanolsulfate. /7/25% aqueous solution of sodium 6-sulfate. /9/Rapid injection. /10/Chemically pure.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1930	Tetrachloroethylene (concluded)	Mouse	or	LD_{50}	10,900
		Rabbit	or	LD	8120
		Rabbit	sc	MLD	2200
		Cat	or	LD	6496
		Dog	or	LD	6,496-24,360
		Dog	iv	MLD	85
1931	2, 3, 4, 6-Tetrachlorophenol	Rat	or	LD_{50}	140[1]
		Rat	sc	MLD	210[1]
1932	1, 1, 3, 3-Tetraethoxypropane	Rat	or	LD_{50}	3730
1933	Tetraethoxysilane	Rat	or	LD_{100}	3000-5000
		Rat	or	LD_{50}	6270
		Rat	ip	MLD	559.8
		Rabbit	iv	MLD	186.6
1934	Tetraethylammonium hydroxide	Frog	sc	LD	100-200
		Mouse	sc	LD	102
1935	Tetraethylene glycol dibutyl ether	Rat	or	LD_{50}	6500
		Rabbit	ct	LD_{50}	10,000
1936	Tetraethylenepentamine	Rat	or	LD_{50}	3990
		Rabbit	ct	LD_{50}	660
1937	Tetraethyl pyrophosphate	Mouse	or	LD_{50}	7.0±0.3
		Mouse	ip	LD_{50}	0.85
		Rat	or	LD_{50}	1.24
		Rat♀	or	LD_{50}	1.2±0.1
		Rat♂	or	LD_{50}	2.0±0.15
		Rat	or	LD_{50}*	1.2
		Rat	or	LD_{50}*	1.4
		Rat	ip	LD_{50}	0.65
		Guinea pig	or	LD_{50}	2.3±0.19
		Rabbit	ct	MLD	0.04 cc
		Rabbit	ct	LD_{50}	5
1938	Tetraethylthiuramide	Rabbit	or	MLD	3000
1939	5, 6, 7, 8-Tetrahydrocarbazole	Rat	or	LD_{50}	2650
1940	Tetrahydroerythroidine	Mouse	sc	LD	9.5
1941	Tetrahydroisoquinoline	Mouse	sc	MLD	230-350
1942	Tetrahydronaphthalene	Rat	or	LD_{50}	2860
		Rabbit	ct	LD_{50}	17,300
1943	1, 2, 3, 4-Tetrahydro-2-naphthol	Mouse	or	LD_{50}	2 cc
		Rat	or	LD_{50}	1 cc
		Guinea pig	or	LD_{50}	1 cc
		Rabbit	or	LD_{50}	2.8 cc
1944	Tetrahydronaphthylamine	Rabbit	sc	MLD	50
1945	Tetraisopropyl pyrophosphate	Mouse	ip	LD_{50}	16

/1/ 4% solution in fuel oil. /2/ Bovet and Bovet-Nitti, "Médicaments du Système Nerveux

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
	Oil		Dybing, Acta pharm. tox. 2:223, 1946.	1930
		7-20 hr	Lamson, Am. J. Hyg. 9:430, 1929.	
		24 hr	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	
		6-36 hr	Lamson, Am. J. Hyg. 9:430, 1929.	
		7½-72 hr	Ibid	
	Oil	30 min	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	
	Fuel oil		Deichmann, Fed. Proc. 2:76, 1943.	1931
	Fuel oil		Ibid	
2680-5210			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	1932
4820-8160			Rowe, J. Ind. Hyg. Tox. 30:332, 1948.	1933
			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	
		4 da	Kasper, Indust. Med. 6:660, 1937.	
		5 min	Ibid	
			Bovet & Bovet-Nitti. [2]	1934
			Hunt, J. Pharm. Exp. Ther. 25:335, 1925.	
			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	1935
			Ibid	
3340-4780			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	1936
550-780			Ibid	
			Frawley, J. Pharm. Exp. Ther. 105:156, 1952.	1937
			Mangun, Fed. Proc. 6:353, 1947.	
			Div. Pharm. F. & D. Adm. Q. Rpt. 4, June 1947.	
			Frawley, J. Pharm. Exp. Ther. 105:156, 1952.	
			Ibid	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
			Mangun, Fed. Proc. 6:353, 1947.	
			Ibid	
			Frawley, J. Pharm. Exp. Ther. 105:156, 1952.	
			Deichmann, Fed. Proc. 6:322, 1947.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
			Hanzlik, J. Pharm. Exp. Ther. 17:349, 1921.	1938
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	1939
			Unna, J. Pharm. Exp. Ther. 80:39, 53, 1944.	1940
			Hjort, J. Pharm. Exp. Ther. 62:165, 1938.	1941
2580-3180			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	1942
14,500-20,600			Ibid	
			Draize, J. Pharm. Exp. Ther. 93:26, 1948	1943
			Ibid	
			Ibid	
			Ibid	
			Stern, Arch. path. Anat. 115:14, 1889.	1944
			DuBois, Arch. Ind. Hyg. Occ. Med. 6:9, 1952.	1945

Végétatif," New York: S. Karger, 1948.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1946	N, N, N', N'-Tetrakis-(β-chloroethyl)-ammonium chloride	Mouse	sc	LD_{50}*	26
		Mouse	iv	LD_{50}*	7.5
		Rat	sc	LD_{50}*	19
		Rat	iv	LD_{50}*	3.8
		Rabbit	iv	LD_{50}*	2.5
1947	Tetramethoquin	Mouse	or	LD_{50}	18.8±3.35
		Mouse	sc	LD_{50}	0.72±0.05
		Mouse	iv	LD_{50}	0.24±0.033
		Rabbit	im	LD_{50}	0.79±0.078
1948	Tetramethylammonium hydroxide	Frog	sc	LD	5
		Mouse	sc	LD	20
		Rabbit	sc	LD	6-8
		Rabbit	iv	LD	1-2
1949	Tetramethylpyrophosphate	Mouse	ip	LD_{50}	1.7
1950	Tetramethylthiuramide	Rabbit	or	MLD	350
1951	Tetrapropyldithionophosphate	Rat	or	LD_{50}	1450
		Rat	ip	LD_{50}	1100
1952	Tetronic acid	Mouse	ip	LD_{50}	3000
1953	Tetrosan	Mouse	or	LD_{50}	2000
		Mouse	iv	LD_{50}	50
		Rat	or	LD_{50}	730
		Guinea pig	or	LD_{50}	316
1954	Tetryl	Dog	sc	MLD	500
1955	Thallium acetate	Mouse	sc	MLD	0.5
		Rabbit	sc	MLD	5
		Dog	or	MLD	18.5
		Bird	sc	LD	40-160
1956	Thallium nitrate	Rat	sc	LD	20
		Rabbit	iv	LD	14
		Dog	or	LD	45
1957	Thallium sulfate	Rat^{2}	or	LD_{50}	15.8±9.0
		Rat^{3}	or	LD_{50}	22.9
		Rat	or	LD_{50}*	25
1958	Thanite	Rat	or	LD_{50}*	1000
1959	Thebaine	Frog	sc	LD	20
		Guinea pig	sc	LD	30
		Rabbit	sc	LD_{50}	13.9^{4}
		Pigeon	sc	LD	24
1960	Thenfadil	Mouse	or	LD_{50}	277±15
		Mouse	sc	LD_{50}	36±4
		Mouse	ip	LD_{50}	55±5
		Mouse	iv	LD_{50}	14.2±1
		Rat	or	LD_{50}	525±50
	(continued on next page)	Rat	iv	LD_{50}	15±1

/1/ Bovet and Bovet-Nitti, "Médicaments du Système Nerveux Végétatif," New York: S.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947.	1946
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Brown, Arch. int. pharmacod. 81:276, 1950.	1947
			Ibid	
			Ibid	
			Ibid	
			Yodlbauer, Arch. int. pharmacod. 7:183, 1900.	1948
			Ibid	
			Ibid	
			Bovet & Bovet-Nitti. [1]	
			DuBois, Arch. Ind. Hyg. Occ. Med. 6:9, 1952.	1949
			Hanzlik, J. Pharm. Exp. Ther. 17:349, 1921.	1950
			DuBois, Arch. Ind. Hyg. Occ. Med. 8:350, 1953.	1951
			Ibid	
			Brodersen, Acta pharm. tox. 2:109, 1946.	1952
			Lehman, Q. Bull. Assoc. F. & D. Off. 18:43, 1954.	1953
			Ibid	
			Ibid	
			Ibid	
			Wells, J. Ind. Hyg. 2:247, 1920-1921.	1954
			Flury, Abderhalden's Hdb. 4. 7b:1406.	1955
		7 da	Ibid	
		9 da	Ibid	
			Ibid	
		48 hr	Flury, Abderhalden's Hdb. 4. 7b:1406.	1956
			Ibid	
		4 da	Ibid	
			Dieke, Pub. Health Rpt. 61:672, 1946.	1957
		3-4 da	Div. Pharm. F. & D. Adm. Rpt. 4, Oct. 1945.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	1958
			Flury, Abderhalden's Hdb. 4. 7b:1408.	1959
			Starkenstein, Heffter's Hdb. 2. 2:987.	
			Eddy, J. Pharm. Exp. Ther. 66:182, 1939.	
			Flury, Abderhalden's Hdb. 4. 7b:1408.	
			Hoppe, J. Pharm. Exp. Ther. 97:371, 1949.	1960
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	

Karger, 1948. /2/ Norway rat. /3/ Albino rat. /4/ Hydrochloride.

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
1960	Thenfadil (concluded)	Hamster	iv	LD_{50}	9±1
		Rabbit	iv	LD_{50}	12±1
		Dog	or	LD_{50}	60
		Dog	im	LD_{50}	12
		Dog	iv	LD	10
1961	Theobromine	Rabbit	sc	LD	1000-1500
		Cat	or	LD	180-200
		Rat	sc	LD	900[1]
1962	Theophylline	Guinea pig	sc	LD	170-200
		Rabbit	or	LD	300-400
		Rabbit	iv	LD	100-130
		Cat	or	LD	100
1963	Theophylline sodium acetate	Rat	sc	MLD	300-350
		Rat	iv	MLD	240
1964	Theosparteine (mono derivative)	Rabbit	iv	MLD	0.00133[2]
1965	Thephorin	Mouse	or	LD_{50}	255±21
		Mouse	sc	LD_{50}	270±60
		Mouse	ip	LD_{50}	88±11
		Mouse	ip	LD_{50}	106
		Mouse	iv	LD_{50}	22.5±2.5
		Rat	or	LD_{50}	280±50
		Rat	sc	LD_{50}	250
		Guinea pig	ip	LD_{50}	140±42
		Rabbit	or	LD_{50}	500
		Rabbit	iv	LD_{50}	15±2.4
		Dog	iv	LD_{50}	33
1966	Thiamine HCl	Mouse	or	LD_{50}	3000
		Mouse	sc	LD_{66}	1000
		Mouse	ip	LD_{50}	329.8±3.93
		Mouse	iv	LD	125
		Mouse	iv	LD_{100}	150
		Rat	iv	LD	250
		Rabbit	iv	LD	300
		Rabbit	iv	MLD	117.45
		Dog	iv	LD	350
1967	Thiamine mononitrate	Mouse	ip	LD_{50}	387.3±1.65
		Mouse	iv	LD_{50}	84.24±1.14
		Rabbit	iv	LD_{50}	112.58
1968	Thioacetamide	Rat	or	MLD	200
1969	Thioamytal sodium	Rat	or	MLD	250
		Rat	ip	MLD	140
		Rat	iv	MLD	160
1970	Thiocyanobenzoic acid	Rat	ip	LD_{50}	32±2.1[3]
	(continued on next page)	Rat	or	LD_{50}	73±5.7[4]

/1/ With sodium acetate. /2/ Given as "gram equivalents/kilo" in reference. /3/ Ortho.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Hoppe, J. Pharm. Exp. Ther. 97:371, 1949.	1960
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Flury, Abderhalden's Hdb. 4.7b:1408.	1961
			Ibid	
			Unna, Arch. exp. Path. Pharm. 187:163, 1937.	
			Flury, Abderhalden's Hdb. 4.7b:1409.	1962
			Ibid	
			Ibid	
	H_2O		Ibid	
			Unna, Arch. exp. Path. Pharm. 187:163, 1937.	1963
			Chen, J. Pharm. Exp. Ther. 45:1, 1932.	
			Simon, Boll. soc. ital. biol. sper. 27:1324, 1951.	1964
			Lehman, J. Pharm. Exp. Ther. 92:249, 1948.	1965
			Ibid	
			Ibid	
96-117			Way, J. Pharm. Exp. Ther. 104:115, 1952.	
			Lehman, J. Pharm. Exp. Ther. 92:249, 1948.	
			Ibid	
		48 hr	Halpern, C. rend. Soc. biol. 144:887, 1950.	
			Lehman, J. Pharm. Exp. Ther. 92:249, 1948.	
			Ibid	
			Ibid	
			Ibid	
			Hecht, Klin. Wschr. 16:414, 1937.	1966
		20 min	Ibid	
			Haley, Proc. Soc. Exp. Biol. Med. 68:153, 1948.	
			Molitor, Merck Report 1941.	
			Hecht, Klin. Wschr. 16:414, 1937.	
			Molitor, Merck Report 1941.	
			Ibid	
			Haley, Proc. Soc. Exp. Biol. Med. 68:153, 1948.	
			Molitor, Merck Report 1941.	
			Haley, Proc. Soc. Exp. Biol. Med. 68:153, 1948.	1967
			Ibid	
			Ibid	
		48-72 hr	Ambrose, J. Ind. Hyg. Tox. 31:158, 1949.	1968
			Gruhzit, J. Pharm. Exp. Ther. 60:125, 1937.	1969
			Ibid	
			Ibid	
		3 hr	Krantz, Proc. Soc. Exp. Biol. Med. 74:321, 1950.	1970
			Tawab, J. Pharm. Exp. Ther. 96:416, 1949.	

/4/ Meta.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1970	Thiocyanobenzoic acid (concluded)	Rat	ip	LD$_{50}$	17±1.3[1]
		Rat	or	LD$_{50}$	83±8.1[2]
		Rat	ip	LD$_{50}$	22±1.9[2]
1971	Thiomerin sodium[3]	Mouse	sc	LD$_{50}$	0.84±0.7 cc
		Mouse	iv	LD$_{50}$	4.57±0.94 cc
		Mouse	iv	LD$_{50}$	0.98±0.11 cc
		Rat	sc	LD$_{50}$	0.025 cc
		Rat	iv	LD$_{50}$	0.15 cc
		Rabbit	iv	LD	8 cc
		Rabbit	iv	LD	0.75 cc
		Cat	iv	LD	4 cc
		Cat	iv	LD	2 cc
1972	Thiopentex	Rat ?	ip	LD$_{50}$	1200
1973	Thiophene	Rabbit	sc	MLD	830
1974	Thiosemicarbazide	Rat[4]	or	LD$_{50}$	13±2.1
		Rat[5]	or	LD$_{50}$	19±1.3
		Rat[6]	or	LD$_{50}$	11±2
		Guinea pig	ip	LD$_{50}$	24±2
		Cat	or	LD$_{50}$	20
		Dog	or	LD$_{50}$	10
1975	Thiosinamine	Frog	sc	LD	5000
		Mouse	sc	LD	700-1000
		Rat	sc	LD	700-1000
		Guinea pig	iv	LD	700-1000
		Rabbit	iv	MLD	571
		Dog	iv	LD	100-130
1976	2-Thiouracil	Rabbit	or	MLD	3697
1977	Thiourea	Frog	sc	MLD*	10,000
		Rat[4]	or	LD$_{50}$	1830
		Rat[7]	or	LD$_{50}$	125-640
		Rat[8]	ip	LD$_{50}$	4.0±0.2
		Rat[4]	ip	LD$_{50}$	1830±135
		Guinea pig	sc	MLD*	4000
		Rabbit	or	MLD	6985
1978	Thorium chloride	Mouse	sc	LD$_{50}$	4000
		Rat	iv	LD	24.2-32.2
		Rabbit	iv	LD	50[9]
1979	Thorium nitrate	Frog	sc	LD	600
		Rat	ip	LD$_{50}$	68±12
		Rabbit	iv	LD	50[9]
1980	Thorium sodium citrate	Frog	sc	LD	600
1981	Thujone	Rat	ip	LD$_{100}$	240[11]
1982	Thymol	Frog	sc	LD	150
		Mouse	or	MLD	800
	(continued on next page)	Mouse	or	LD$_{50}$	1800±224

/1/Meta. /2/Para. /3/1 cc contains 40 mg mercury. /4/Norway rat. /5/Adult. /6/Albino.
of 2-3 cc per minute as a 0.5% solution in H_2O. /10/ Water with trisodium citrate. /11/ 2%

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
		3 hr	Tawab, J. Pharm. Exp. Ther. 96:416, 1949.	1970
			Ibid	
		3 hr	Krantz, Proc. Soc. Exp. Biol. Med. 74:321, 1950.	
		4 da	Lehman, J. Pharm. Exp. Ther. 99:149, 1950.	1971
		3 hr	Ibid	
		4 da	Ibid	
		1-7 da	Orth, Fed. Proc. 9:305, 1950.	
		50 min	Ibid	
		3 hr	Lehman, J. Pharm. Exp. Ther. 99:149, 1950.	
		4 da	Ibid	
		4 hr	Ibid	
		4 da	Ibid	
			Mallette, Arch. Ind. Hyg. Occ. Med. 5:311, 1952.	1972
		24 hr	Thieme, Dissert., Würzburg 1935.	1973
	G acacia		Dieke, Proc. Soc. Exp. Biol. Med. 70:688, 1949.	1974
	G acacia		Ibid	
	G acacia		Ibid	
	G acacia		Ibid	
	G acacia		Ibid	
5-15	G acacia		Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1409.	1975
			Ibid	
			Ibid	
			Tyrode, Arch. int. pharmacod. 19:195, 1909.	
		24 hr	Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1409.	
			Simon, Boll. soc. ital. biol. sper. 24:803, 1948.	1976
			Hartzell, Boyce Thompson Inst. 11:249, 1940.	1977
			Dieke, J. Pharm. Exp. Ther. 90:260, 1947.	
			Ibid	
			Ibid, 83:195, 1945.	
			Ibid	
			Hartzell, Boyce Thompson Inst. 11:249, 1940.	
			Simon, Boll. soc. ital. biol. sper. 24:803, 1948.	
			Vincke, Arch. exp. Path. Pharm. 188:465, 1938.	1978
			Maxwell, J. Pharm. Exp. Ther. 43:61, 1931.	
	H_2O		Vincke, Arch. exp. Path. Pharm. 188:465, 1938.	
			Sollmann, Am. J. Physiol. 18:426, 1907.	1979
	H_2O^{10}		McClinton, J. Pharm. Exp. Ther. 94:1, 1948.	
	H_2O		Vincke, Arch. exp. Path. Pharm. 188:465, 1938.	
			Sollmann, Am. J. Physiol. 18:426, 1907.	1980
	G acacia		Sampson, J. Pharm. Exp. Ther. 65:275, 1939.	1981
			Kochmann, Arch. exp. Path. Pharm. 161:196, 1931.	1982
			Ellinger, Heffter's Hdb. E. 1:929.	
	Cot oil	10 da	McOmie, J. Am. Pharm. Assoc. 38:366, 1949.	

/7/ Domestic. /8/ "Hopkins" rat; toxicity varies with species and diet. /9/ Injected at rate solution in 6% gum acacia.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1982	Thymol (concluded)	Rat	sc	MLD	1600-1700
		Guinea pig	sc	MLD	1100
		Guinea pig	ip	MLD	300
		Guinea pig	ip	MLD	>2000
		Rabbit	or	MLD	750-1000
		Rabbit	sc	LD	>2000
		Rabbit	iv	MLD	60
		Cat	or	MLD	250
1983	Tin[1]	Rat	iv	LD	20
		Rabbit	sc	LD	25
1984	Toluene	Rat	sc	LD	4330-8660
		Rat	ip	LD	1732
1985	Toluenediamine	Rat	ip	LD	50
		Guinea pig	sc	LD	200-1700
		Rabbit	sc	LD	400
		Dog	sc	LD	200-250
		Dog	sc	LD	350
1986	o-Tolueno-azo-β-naphthol	Rabbit	or	LD	1500
		Rabbit	iv	LD_{100}	120
		Dog	iv	LD_{100}	240
1987	Toluidine Blue	Mouse	iv	LD_{50}	27.56
		Rat	iv	LD_{50}	28.93
		Rabbit	iv	LD_{50}	13.44
1988	1-(o-Toluoxy)-2, 3-bis-(2, 2, 2-trichloro-1-hydroxyethoxy)propane	Mouse	or	LD_{50}	1820[2]
		Mouse	or	LD_{50}	640[3]
		Rat	or	LD_{50}	880[4]
		Rat	ip	LD_{50}	480[5]
		Guinea pig	or	LD_{50}	950[6]
		Guinea pig	ip	LD_{50}	460[7]
1989	2-[N-p'-Tolyl-N-(m'-hydroxyphenyl)aminoethyl]imidazoline	Mouse	or	LD_{50}	750
		Rat	or	LD_{50}	1250
		Rat	sc	LD_{50}	275
		Rat	iv	LD_{50}	75
		Rabbit	or	LD_{50}	2000
1990	m-Tolyloxyacetamidine HCl	Rat	iv	LD_{50}	73
1991	Tomatin(e)	Rat	or	LD	800-1000
1992	Toxaphene	Mouse	or	LD_{50}	112
		Rat	or	LD_{50}*	69
		Rat	ip	LD	200
		Guinea pig	or	LD_{50}	69
		Guinea pig	sc	LD	62.5
		Rabbit	ct	LD_{50}*	>4000
		Dog	or	LD_{50}	15
		Sheep	iv	LD	5
1993	Transvaalin	Cat	iv	LD_{50}	0.1670

/1/Sodium stannous tartrate; calculated as tin metal. /2/92-108% error. /3/97-107% error.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Binet, Rev. méd. Suisse rom. 15:561, 1895.	1982
			Ibid	
			Caujolle, Bull. Soc. biol. chim. 26:334, 1944.	
	Oil		Gardner, C. rend. Acad. sc. 200:1430, 1935.	
			Kochmann, Arch. exp. Path. Pharm. 161:196, 1931.	
			Ibid	
	Oil		Basquet, C. rend. Soc. biol. 83:1149, 1920.	
			Kochmann, Arch. exp. Path. Pharm. 161:196, 1931.	
		24 hr	Salant, J. Pharm. Exp. Ther. 5:517, 1914.	1983
		1-6 da	Ibid	
			Cameron, J. Path. Bact. 46:95, 1938.	1984
			Ibid	
		6-12 hr	Hess, Zschr. exp. Path. Ther. 17:59, 1915.	1985
			Ibid	
		12-36 hr	Ibid	
			Gibbs, Dubois' Arch. f. Physiol. Suppl. p259, 1892.	
		12-36 hr	Hess, Zschr. exp. Path. Ther. 17:59, 1915.	
			Climenko, J. Am. Med. Assoc. 109:493, 1937.	1986
			Ibid	
			Ibid	
			Stolarsky, Fed. Proc. 10:337, 1951.	1987
			Ibid	
			Ibid	
			Reinhard, J. Pharm. Exp. Ther. 106:444, 1952.	1988
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Trapold, J. Pharm. Exp. Ther. 100:119, 1950.	1989
			Meier, Proc. Soc. Exp. Biol. Med. 71:70, 1950.	
			Ibid	
			Ibid	
			Trapold, J. Pharm. Exp. Ther. 100:119, 1950.	
		30 min	Craver, J. Pharm. Exp. Ther. 101:353, 1951.	1990
		2 da	Wilson, Fed. Proc. 9:325, 1950.	1991
			Div. Pharm. F. & D. Adm. Q. Rpt. 9, March 1948.	1992
			Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951.	
			Rodriguez, Arch.soc.biol.,Montevideo 18:46, 1951.	
			Div. Pharm. F. & D. Adm. Q. Rpt. 4, June 1947.	
			Rodriguez, Arch.soc.biol.,Montevideo 18:46, 1951.	
			Lehman, Q. Bull. Assoc. F. & D. Off. 16:3, 1952.	
			Lackey, J. Ind. Hyg. Tox. 31:117, 1949.	
			Rodriguez, Arch.soc.biol.,Montevideo 18:46, 1951.	
0.1168-0.2097	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	1993

/4/73-136% error. /5/96-104% error. /6/87-115% error. /7/91-110% error.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
1994	Trasentine	Mouse	or	LD_{50}	690
		Mouse	iv	LD_{50}	21.5
		Rat	iv	LD_{50}	27
1995	Triacetin	Mouse	sc	LD_{50}	2670
		Rat	sc	LD_{50}	3250
1996	2, 4, 6-Tribromophenol	Rat	or	LD_{50} *	200
1997	Tributyl phosphate	Mouse	sc	MLD	3000
		Rat	or	LD_{50}	3000
1998	Tributyl phosphite	Rat	or	LD_{50}	3000
1999	Trichloroacetamide	Rat	or	LD	1500-2000
2000	Trichloroacetic acid	Mouse	or	LD_{50}	4970
		Rat	or	LD_{50}	3320
2001	Trichloroacrylyl chloride	Rat	ip	LD_{50}	0.75-1.5 cc
2002	1, 1, 1-Trichloroethane	Rabbit	sc	MLD	500
		Dog	or	MLD	750
		Dog	iv	MLD	95
2003	Trichloroethanol	Mouse	or	LD_{50}*	725
		Rat	or	LD_{50}*	600
		Rat	or	MLD	1000
2004	Trichloroethylene	Rabbit	or	LD	7330
		Rabbit	sc	MLD	1800
		Cat	or	LD	5864
		Dog	or	LD	5864
		Dog	iv	MLD	150
2005	Tri-(2-chloroethyl)phosphate	Rat	or	LD_{50}	1410
2006	2-(Trichloromethyl)-4-chloromethyl-1, 3, 3-dioxolane	Rat	or	LD_{50}	1000
2007	2-(Trichloromethyl)-1, 3-dioxolane-4-carbinol acid succinate ester	Rat	or	LD_{50}	3400
2008	2-(Trichloromethyl)-4-methyl-1, 3-dioxolane	Rat	or	LD_{50}	380
2009	2, 4, 6-Trichlorophenol	Rat	or	LD_{50}	820^1
		Rat	sc	LD_{50}	2260^1
2010	1, 1, 2-Trichloropropane	Rat	or	LD_{50}	1230
		Rabbit	ct	LD_{50}	14. 1 cc
2011	Trichlorosilane	Rat	or	LD_{50}	1030
		Rat	or	LD_{50}	1000
		Rat	ip	LD_{100}	30-100
2012	Tri-o-cresyl phosphate	Mouse	sc	MLD	12, 000
		Rabbit	or	LD	100
		Rabbit	sc	LD	100^2
	(continued on next page)	Rabbit	iv	LD	100^2

/1/ 20% solution in fuel oil. /2/ 25% solution in olive oil.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Chen, Proc. Pharm. Soc. Fall Meet. p11 1951.	1994
			Ibid	
			Craver, Am. J. Dig. Dis. 18:241, 1951.	
			Li, Proc. Soc. Exp. Biol. Med. 46:26, 1941.	1995
			Ibid	
			Stohlman, Pub. Health Rpt. 66:1303, 1951.	1996
			Eller, Dissert., Würzburg 1937.	1997
			Smyth, J. Ind. Hyg. Tox. 26:269, 1944.	
			Smyth, J. Ind. Hyg. Tox. 26:269, 1944.	1998
			Bräutigam, Arztl. Forsch. 7:115, 1953.	1999
4700-5260		36 hr	Woodard, J. Ind. Hyg. Tox. 23:78, 1941.	2000
3160-3480		36 hr	Ibid	
			Spiegel, A. E. C. MDDC-1715, 1947.	2001
	Oil	24 hr	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	2002
	Oil	24 hr	Ibid	
	Oil	30 min	Ibid	
			Molitor, Current Res. Anes. 17:258, 1938.	2003
			Ibid	
			Burtner, J. Pharm. Exp. Ther. 63:183, 1938.	
			Lamson, Am. J. Hyg. 9:430, 1929.	2004
	Oil	24 hr	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	
			Lamson, Am. J. Hyg. 9:430, 1929.	
			Ibid	
		30 min	Barsoum, Q. J. Pharm. Pharmacol. 7:205, 1934.	
960-2080			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	2005
			Finnegan, Fed. Proc. 10:294, 1951.	2006
			Finnegan, Fed. Proc. 10:294, 1951.	2007
			Finnegan, Fed. Proc. 10:294, 1951.	2008
	Fuel oil		Deichmann, Fed. Proc. 2:76, 1943.	2009
	Fuel oil		Ibid	
940-1620			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954.	2010
8.8-22.9 cc			Ibid	
890-1210			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	2011
			Rowe, J. Ind. Hyg. Tox. 30:332, 1948.	
			Ibid	
			Eller, Dissert., Würzburg 1937.	2012
	Olive oil	Sev da	Gross, Arch. exp. Path. Pharm. 168:473, 1932.	
	Olive oil	3-5 da	Ibid	
	Olive oil	4 hr	Ibid	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
2012	Tri-o-cresyl phosphate (concluded)	Guinea pig	or	MLD	300-500
		Guinea pig	sc	LD	300-500
		Cat	or	MLD	300-500
		Cat	sc	LD	300-500
		Dog	or	LD	100-500
		Dog	sc	LD	100[1]
		Chicken	or	MLD	500-1000
		Chicken	sc	MLD	500-1000
2013	Tridione	Mouse	iv	LD_{50}	2000
		Rabbit	ip	LD_{50}	1500
		Rabbit	iv	LD_{50}	1500
2014	Tridiurecaine HCl	Rat	ip	LD_{50}	250±13
		Dog	iv	LD*	5
2015	Triethanolamine	Rat	or	LD_{50}	9000
		Guinea pig	or	LD_{50}	800
2016	Triethoxymethane	Rat	or	LD_{50}	7060
		Rabbit	ct	LD_{50}	20,000
2017	1, 3, 3-Triethoxypropane	Rat	or	LD_{50}	1600
		Rabbit	ct	LD_{50}	8000
2018	1, 2, 3-Triethoxy-1-propene	Rat	or	LD_{50}	2460
		Rabbit	ct	LD_{50}	370
2019	Triethylamine	Rat	or	LD_{50}	460
		Rabbit	ct	LD_{50}	570
2020	Triethylene glycol	Mouse	or	LD_{50}	20,913
		Mouse	sc	LD_{50}	9844
		Mouse	ip	LD	8150
		Mouse	iv	LD_{50}	7313
		Rat	or	LD_{50}	22,060
		Rat	or	LD_{50}	12,375-16,875
		Rat	im	MLD*	8400
		Guinea pig	or	LD_{50}	14,660
2021	Triethylenemelamine	Mouse	ip	LD_{50}*	4
2022	Triethylenetetramine	Rat	or	LD_{50}	4340
		Rabbit	ct	LD_{50}	820
2023	Triethylhexyl phosphate	Rat	or	LD_{50}	37,080
2024	Triethyl lead chloride	Rat	ip	MLD	5
		Rabbit	ip	LD	8
2025	Trigonelline	Mouse	sc	MLD	2000
		Rat	sc	LD	5000
2026	2, 4, 6-Triiodophenol	Rat	or	LD_{50}	<2500
		Rat	or	LD_{50}	>2500[2]
2027	3, 4, 5-Trimethoxyphenethylamine	Mouse	ip	LD	500

/1/ 25-50% solution in olive oil. /2/ Sodium salt.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
	Olive oil	Sev da	Gross, Arch. exp. Path. Pharm. 168:473, 1932.	2012
		4 da	Ibid	
		Sev da	Ibid	
		39 da	Ibid	
		Sev da	Ibid	
	Olive oil	21 da	Ibid	
			Ibid	
			Ibid	
			Richards, J. Lab. Clin. Med. 31:1330, 1946.	2013
			Ibid	
			Ibid	
			Rau, J. Pharm. Exp. Ther. 101:421, 1941.	2014
			Ibid	
			Kindsvatter, J. Ind. Hyg. Tox. 22:206, 1940.	2015
			Ibid	
5780-8630			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	2016
			Ibid	
			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	2017
			Ibid	
1880-3230			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	2018
240-570			Ibid	
250-850			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	2019
360-900			Ibid	
			Latven, J. Pharm. Exp. Ther. 65:89, 1939.	2020
			Ibid	
			Karel, Fed. Proc. 6:342, 1947.	
			Latven, J. Pharm. Exp. Ther. 65:89, 1939.	
19,380-25,130			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	
			Lawter, J. Am. Pharm. Assoc. 29:5, 1940.	
			Ibid	
13,750-15,700			Smyth, J. Ind. Hyg. Tox. 23:259, 1941.	
			Kraus, Proc. Soc. Exp. Biol. Med. 76:489, 1951.	2021
3810-4940			Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	2022
720-940			Ibid	
33,700-40,790			Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	2023
			Buck, J. Pharm. Exp. Ther. 38:161, 1930.	2024
			Bishoff, J. Pharm. Exp. Ther. 34:85, 1928.	
			Ito, Jap. J. M. Sc., IV Pharm. 1:64, 1933.	2025
			Brazda, Proc. Soc. Exp. Biol. Med. 62:19, 1946.	
			Stohlman, Pub. Health Rpt. 66:1303, 1951.	2026
			Ibid	
			Grace, J. Pharm. Exp. Ther. 50:359, 1934.	2027

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
2028	Trimethylamine	Frog	sc	LD	2000
		Mouse	sc	LD	1000
		Rabbit	sc	LD	800
		Rabbit	iv	LD	400-500
2029	γ-Trimethylammonium propanediol ethylal	Mouse	or	LD	5
		Mouse	sc	LD	1.25
		Mouse	iv	LD	0.2
		Guinea pig	sc	LD	0.075
		Dog	sc	LD	0.05
2030	1,2,4-Trimethylbenzene	Rat	ip	LD	1.5-2.0 cc
2031	Trimethyl bismuth	Rabbit	or	LD_{50}*	484
		Rabbit	sc	LD_{50}*	182
		Rabbit	iv	LD_{50}*	12
		Dog	or	LD_{50}*	484
		Dog	sc	LD_{50}*	182
		Dog	iv	LD_{50}*	12
2032	Trimethylene glycol	Rat	or	LD_{50}	16,960
		Rat	im	LD_{50}	6360-7420
		Rabbit	iv	LD_{50}	4240-5300
		Cat	or	LD*	3180
2033	Trimethylnonanone	Rat	or	LD_{50}	8470
		Rabbit	ct	LD_{50}	11,000
2034	Trimethyl phosphate	Rat	or	LD_{50}	1975
		Guinea pig	or	LD	1676
		Rabbit	or	LD	1256
2035	Trimethylstibine[2]	Cat	sc	LD	1370
2036	Trimeton	Mouse	iv	LD_{50}	47.8[3]
		Rat	sc	LD_{100}	500
		Rabbit	iv	MLD	30[3]
2037	Trinitrotoluene	Rat	sc	LD	>700
		Rabbit	sc	LD	500-700
		Cat	or	LD	480
		Cat	sc	LD	200
2038	Triphenylguanidine	Rat	sc	MLD	300
2039	Tripropylene glycol methyl ether	Rat	or	LD_{50}	3.3 cc
2040	Tris(β-chloroethyl)amine	Mouse	ct	LD_{50}	7
		Mouse	sc	LD_{50}	2
		Rat	ct	LD_{50}	4.9
		Rat	iv	LD_{50}	0.7
		Rabbit	ct	LD_{50}	19
		Rabbit	iv	LD_{50}	2.5
		Dog	ct	LD_{50}	1
2041	2,4,6-Tris-(dimethylamino)-S-triazine	Mouse	ip	LD_{50}	220
		Rat	ip	LD_{50}	265

/1/Bovet and Bovet-Nitti, "Médicaments du Système Nerveux Végétatif," New York: S. stibine. /3/As the base.

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
			Santesson, Skand. Arch. Physiol. 10:201, 1900.	2028
			Bovet & Bovet-Nitti.[1]	
			Dreyfus, C. rend. Soc. biol. 83:481, 1920.	
			Bovet & Bovet-Nitti.[1]	
			Fourneau, Bull. Soc. chim. biol. 26:516, 1944.	2029
			Ibid	
			Ibid	
			Ibid	
			Ibid	
		24 hr	Cameron, J. Path. Bact. 46:95, 1938.	2030
			Seifter, J. Pharm. Exp. Ther. 67:17, 1939.	2031
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Van Winkle, J. Pharm. Exp. Ther. 72:227, 1941.	2032
			Ibid	
			Ibid	
			Ibid	
7180-9980			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	2033
9,420-13,000			Ibid	
		Sev da	Deichmann, J. Pharm. Exp. Ther. 88:338, 1946.	2034
		24-30 hr	Ibid	
		Sev da	Ibid	
		8 da	Seifter, J. Pharm. Exp. Ther. 66:366, 1939.	2035
			Lindner, Arch. exp. Path. Pharm. 211:328, 1950.	2036
			Halpern, C. rend. Soc. biol. 44:887, 1950.	
			Lindner, Arch. exp. Path. Pharm. 211:328, 1950.	
			Wyon, Med. Res. Council, Sp. Rpt. 58:32, 1921.	2037
			Ibid	
	Oil		Ibid	
	Oil		Ibid	
		24 hr	Alles, J. Pharm. Exp. Ther. 28:251, 1926.	2038
			Rowe, Arch. Ind. Hyg. Occ. Med. 9:509, 1954.	2039
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947.	2040
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
188-258			Philips, J. Pharm. Exp. Ther. 100:398, 1950.	2041
143-490			Ibid	

Karger, 1948. /2/ Given in literature as antimony, 1000 mg, recalculated as trimethyl-

	Compound	Animal	Route	Dose	Dosage mg/kg Value
2042	2, 4, 6-Tris(ethyleneimino)-S-triazine	Mouse	ip	LD_{50}	2. 8
		Rat	ip	LD_{50}	1
2043	Tritium oxide	Mouse	sc	LD_{50}	1 mc/g[1]
2044	Tromexan	Mouse	or	LD_{50}	880
		Mouse	sc	LD_{50}	750
		Mouse	ip	LD_{50}	260
		Rat	or	LD_{50}	840
		Rat	ip	LD_{50}	320
		Rabbit	or	LD_{50}	1100
		Rabbit	ip	LD_{50}	170
2045	Tropacocaine	Frog	sc	MLD	650
		Rat	iv	MLD	15-20
		Guinea pig	sc	MLD	217
		Guinea pig	ip	MLD	170
		Guinea pig	iv	MLD	25
		Rabbit	sc	MLD*	400
		Cat	iv	MLD	18-22
2046	Trypan blue	Mouse	ip	LD_{100}	400[2]
		Mouse	iv	LD_{60}*	200[2]
		Rat	sc	LD_{40}*	300[3]
		Rat	ip	LD_{100}	350[3]
		Rat	iv	LD_{100}	300[3]
		Guinea pig	sc	LD_{66}*	300[3]
		Guinea pig	ip	LD_{50}	250[3]
		Rabbit	ip	LD_{100}	400[4]
		Rabbit	iv	LD_{60}*	150[4]
2047	Tryparsamide	Rat	or	MLD	>14, 000
		Rat	im	MLD	>2500
		Rat	iv	MLD	>2000
		Rat	iv	LD_{50}	3200
2048	Tryptamine-strophanthidin	Cat	iv	LD_{50}	0. 5507
2049	D-Tubocurarine	Mouse	sc	LD	0. 525
		Mouse	iv	LD	0. 14
		Rabbit	iv	LD	0. 223
2050	Tutocaine HCl	Mouse	sc	MLD	350-500
		Mouse	iv	MLD	50
		Guinea pig	sc	MLD	193
		Guinea pig	ip	MLD	250
		Guinea pig	iv	MLD	30
		Rabbit	sc	MLD	200-300
		Rabbit	iv	MLD	15-21
		Dog	ip	MLD	82-85
		Dog	iv	MLD	15-20
2051	Tyramine	Mouse	sc	LD	150-300
		Rabbit	iv	LD	250-300
		Cat	sc	LD	30

/1/Circa 1 millicurie per gram mouse. /2/1% solution in H_2O. /3/2% solution in H_2O.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
2.1-3.8			Philips, J. Pharm. Exp. Ther. 100:398, 1950.	2042
0.85-1.2			Ibid	
		30 da	Brues, Proc. Soc. Exp. Biol. Med. 79:174, 1952.	2043
			Gruber, Fed. Proc. 10:303, 1951.	2044
			Stirling, Lancet 2:611, 1951.	
			Gruber, Fed. Proc. 10:303, 1951.	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	2045
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
	H_2O		Anderson, Proc. Soc. Exp. Biol. Med. 31:825, 1934.	2046
	H_2O		Ibid	
	H_2O		Ibid	
	H_2O		Ibid	
	H_2O		Ibid	
	H_2O		Ibid	
	H_2O		Ibid	
	H_2O		Ibid	
	H_2O		Ibid	
			Nelson, J. Pharm. Exp. Ther. 63:122, 1938.	2047
			Ibid	
			Ibid	
			Harris, J. Pharm. Exp. Ther. 82:254, 1944.	
0.3067-0.8765	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	2048
			Macri, Proc. Soc. Exp. Biol. Med. 85:603, 1954.	2049
			Ibid	
			Ibid	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	2050
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Barke, Dissert., Hannover 1936.	
			Hirschfelder, Physiol. Rev. 12:262, 1932.	
			Flury, Abderhalden's Hdb. 4.7b:1410.	2051
			Ibid	
			Ibid	

/4/5% solution in H_2O.

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
2052	Tyrocidine	Mouse	ip	LD_{95}	90
		Mouse	iv	LD_{100}	25
2053	Tyrothricin[1]	Mouse	ip	LD_{100}	90
		Mouse	iv	LD_{100}	10
2054	Uliron	Frog	sc	MLD	>500
		Mouse	or	MLD	>2000
		Mouse	iv	MLD	750
		Rabbit	or	MLD	>5000
		Rabbit	im	MLD	3000
		Rabbit	iv	MLD	250-300
		Monkey	or	MLD	>1000
2055	Undecylenic acid	Rat	or	LD_{50}*	2500
2056	Uranium tetrachloride	Rat	ip	LD_{50}	335[2]
2057	Uranyl fluoride	Rat	ip	LD_{50}	40-78
2058	Uranyl nitrate, $UO_2(NO_3)_2 \cdot 6H_2O$	Mouse♂[4]	ip	LD_{50}	52.8
		Mouse♀[4]	ip	LD_{50}	42.2-50.64
		Mouse	iv	LD*	21.1-42.2
		Rat♂[4]	ip	LD_{50}*	305[5]
		Rat♀[4]	ip	LD_{50}*	135[5]
		Rat	iv	LD*	2.11
		Guinea pig	iv	LD*	6.33
		Rabbit	sc	LD_{50}*	1.47
		Rabbit	iv	LD*	0.8
		Rabbit	iv	LD*	0.21
		Cat	or	LD	238
		Dog	or	LD	12.25-1575
		Dog	sc	LD_{50}*	4.22
		Dog	iv	LD_{100}*	6.75
2059	Urea	Frog	sc	LD	600-1000
		Guinea pig	iv	LD	4800[6]
		Rabbit	sc	LD	3000-9000
		Dog	sc	LD	3000-9000
		Dog	iv	LD	3000
		Pigeon	sc	LD	16,000
2060	3-Urea-9-methylcarbazole	Rat	or	LD_{50}	>5000
2061	Urea stibamine[7]	Mouse	ip	LD_{50}	266±19
		Mouse	ip	LD_{50}	404±27
2062	1-Urea-5, 6, 7, 8-tetrahydrocarbazole	Rat	or	LD_{50}	2770
2063	3-Urea-5, 6, 7, 8-tetrahydrocarbazole	Rat	or	LD_{50}	>5000
2064	Urechitoxin	Cat	iv	LD_{50}	0.3558
2065	Urethan	Mouse	ip	MLD	2100-2200
		Rat	sc	LD	1800
		Rabbit	iv	LD	2000-2800
		Dog	or	LD	2500

/1/Dubos' crude crystals. /2/10% solution in H_2O; toxicity varies with sex and weight of
New York: McGraw-Hill, 1949. /4/Toxicity varies with sex and age. /5/10% solution in

Dosage mg/kg Range	Vehicle	Time of Death	Reference	
		24 hr	Robinson, J. Pharm. Exp. Ther. 74:75, 1942.	2052
		24 hr	Ibid	
		24 hr	Robinson, J. Pharm. Exp. Ther. 74:75, 1942.	2053
		24 hr	Ibid	
			Gessner, Arch. Derm. Syph. 181:129, 1940.	2054
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Tislow, J. Pharm. Exp. Ther. 98:31, 1950.	2055
	H_2O	24 hr	Voegtlin & Hodge.[3]	2056
		24 hr	Voegtlin & Hodge.[3]	2057
			Voegtlin & Hodge, pp305, 306.[3]	2058
			Ibid	
			Ibid, p 307.	
	H_2O	24 hr	Ibid, p 284.	
	H_2O	24 hr	Ibid	
			Ibid, p 307.	
			Ibid	
			Ibid, p 282.	
			Ibid	
			Ibid, p 307.	
		8 hr	Woroschilsky, Arch. pharm. Inst., Dorpat. 5:1, 1890.	
			Ibid	
			Voegtlin & Hodge, p 282.[3]	
			Ibid	
			Flury, Abderhalden's Hdb. 4. 7b:1353.	2059
	H_2O		Amberg, J. Pharm. Exp. Ther. 6:595, 1915.	
			Flury, Abderhalden's Hdb. 4. 7b:1353.	
			Ibid	
			Ibid	
			Ibid	
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	2060
			Reed, Fed. Proc. 5:197, 1946.	2061
			Ibid	
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	2062
			Eagle, J. Pharm. Exp. Ther. 99:450, 1950.	2063
0.2295-0.4435	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	2064
			Franklin, J. Pharm. Exp. Ther. 42:1, 1931.	2065
			Gross, Arch. exp. Path. Pharm. 182:348, 1936.	
			Flury, Abderhalden's Hdb. 4. 7b:1413.	
			Ibid	

animals. /3/Voegtlin and Hodge, "Pharmacology and Toxicology of Uranium Compounds,"
H_2O. /6/30% solution in H_2O. /7/Toxicity varies with different brands.

Compound		Animal	Route	Dose	Dosage mg/kg
					Value
2066	Urezin	Cat	iv	LD_{50}	3.611
2067	γ-Valerolactone	Rat	or	LD_{50}	9240
		Rabbit	or	LD_{50}	2604
2068	α-i-Valeryloxypropionyl-K-strophanthidin	Cat	iv	MLD	0.82
2069	i-Valeryl-K-strophanthidin	Cat	iv	MLD	0.83
		Rabbit	iv	MLD	0.70
2070	n-Valeryl-K-strophanthidin	Cat	iv	MLD	0.33
2071	Vanadium pentoxide	Rabbit	sc	LD	20^1
		Rabbit	iv	LD	10^1
2072	Vanadium tribromide	Rabbit	sc	LD	20
2073	Vanadium trichloride	Rabbit	sc	LD	20
2074	Van Dyke 264	Rat	or	LD_{50}*	2800
		Rabbit	ct	LD_{50}*	470^2
2075	Vanillin	Rat	sc	MLD	1500
		Rat	sc	LD_{50}	2600
		Rat	or	MLD	3000
2076	Veneniferin	Cat	iv	LD_{50}	0.3696
2077	Veratridine	Mouse	iv	LD_{50}	0.42
		Mouse	ip	LD_{50}	1.35
		Rat	ip	LD_{50}	3.5
2078	Veratrine	Mouse	ip	LD_{50}	8.5
		Mouse	ip	LD_{50}	7.5
2079	Veratrone	Mouse	ip	LD_{50}	2.45
2080	Veriloid	Mouse	ip	LD_{50}	3.2
		Mouse	iv	LD_{50}	0.43
		Rat	or	LD_{50}	12.2
		Rabbit	or	LD_{50}	18.7
2081	Veritol	Rat	sc	LD	450-500
		Rat	ip	LD_{50}	100
2082	Victoria yellow	Dog	sc	LD*	15
2083	Vinyl acetate	Rat	or	LD_{50}	2920
		Rabbit	ct	LD_{50}	2500
2084	Vinyl butyl ether	Rat	or	LD_{50}	10,300
		Rabbit	ct	LD_{50}	4.24 cc
2085	Vinyl butyrate	Rat	or	LD_{50}	8530
2086	Vinyl-β-bis(β-chloroethyl)-aminoethylsulfone	Mouse	sc	LD_{50}	9
		Rabbit	iv	LD_{50}	2.55

/1/ 2% solution in H_2O. /2/ 5% solution in H_2O.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
1.601-8.738	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	2066
			Deichmann, J. Ind. Hyg. Tox. 27:263, 1945. Ibid	2067
			Neumann, Arch. exp. Path. Pharm. 185:328, 1937.	2068
			Neumann, Arch. exp. Path. Pharm. 185:328, 1937. Ibid	2069
			Neumann, Arch. exp. Path. Pharm. 185:328, 1937.	2070
	H_2O H_2O		Lendle, Heffter's Hdb. 3. 3:1541. Ibid	2071
			Lendle, Heffter's Hdb. 3. 3:1541.	2072
			Lendle, Heffter's Hdb. 3. 3:1541.	2073
	 H_2O		Lehman, Q. Bull. Assoc. F. & D. Off. 15:122, 1951. Ibid, 16:3, 1952.	2074
			Binet, Rev. méd. Suisse rom. 16:449, 1896. Deichmann, J. Am. Pharm. Assoc. 29:425, 1940. Ibid	2075
0.2695-0.5347	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	2076
1.12-1.6			Krayer, J. Pharm. Exp. Ther. 82:167, 1944. Swiss, Proc. Soc. Exp. Biol. Med. 76:847, 1951. Krayer, Physiol. Rev. 26:383, 1946.	2077
7.5-9.6 6.1-9.2			Swiss, Proc. Soc. Exp. Biol. Med. 76:847, 1951. Ibid	2078
1.8-3.2			Bauer, Fed. Proc. 9:257, 1950.	2079
			Bauer, Fed. Proc. 9:257, 1950. O'Dell, Proc. Soc. Exp. Biol. Med. 85:400, 1954. Bauer, Fed. Proc. 9:257, 1950. Ibid	2080
			Lindner, Arch. exp. Path. Pharm. 188:675, 1938. Hauschild, Arch. exp. Path. Pharm. 195:647, 1940.	2081
			Matthews, J. Pharm. Exp. Ther. 2:200, 1910.	2082
			Smyth, J. Ind. Hyg. Tox. 30:63, 1948. Ibid	2083
8,400-12,630 3.02-5.95 cc			Smyth, Arch. Ind. Hyg. Occ. Med. 10:61, 1954. Ibid	2084
6,120-11,900			Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	2085
			Anslow, J. Pharm. Exp. Ther. 91:224, 1947. Ibid	2086

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
2087	Vioform	Guinea pig	or	LD_{50}*	175
		Cat	or	LD_{50}*	400
2088	Visammin	Mouse	?	LD_{50}	100±2
		Rat	?	LD_{50}	80±1.2
2089	Viscotoxin	Rat	iv	MLD	0.2
		Rat	iv	LD_{50}	0.26
2090	Vitamin B_{12}	Mouse	sc	LD_{100}	3
		Mouse	ip	LD_{100}	3
2091	Vitamin D_2	Dog	or	LD	4-5
2092	Vitamin K	Mouse	ip	LD	>25,000
		Chicken	ip	LD	>25,000
2093	Vulpinic acid	Mouse	ip	LD_{50}	75
2094	Vuzin	Mouse	sc	MLD	200
		Rabbit	iv	LD	35
		Cat	sc	MLD	200
2095	Warfarin	Mouse	or	LD_{50}	374±84
		Rat♂	or	LD_{50}	323±70
		Rat♀	or	LD_{50}	58±18
		Rat♂♀	iv	LD_{50}	186±11
		Guinea pig	or	LD_{50}	182±8
		Rabbit	or	LD_{50}*	800
		Rabbit	iv	LD_{50}	100-200
		Dog	or	LD_{50}	200-300
		Dog	iv	LD_{50}	200-300
		Chicken	or	LD_{50}	>1000
		Chicken	iv	LD_{50}	200-225
2096	m-Xylene	Rat	sc	MLD	4320-8640
		Rat	ip	MLD	1728-2160
2097	o-Xylene	Rat	sc	MLD	2200-4400
		Rat	ip	MLD	1320-1760
2098	p-Xylene	Rat	sc	MLD	4305-8610
		Rat	ip	MLD	1722-2153
2099	Xylenol	Guinea pig	sc	MLD	1750
2100	Xylidine	Rat	or	LD	610-920
		Rabbit	or	LD	620
		Rabbit	iv	LD	240
		Rabbit	ct	LD	3300
		Cat	iv	LD	120
2101	Xylocaine	Mouse	sc	LD_{50}	400[1]
		Mouse	iv	LD_{50}	25.0-37.5
2102	Xysmalorin	Cat	iv	LD_{50}	4.472
2103	Yohimbine	Frog	sc	LD_{50}	33.5[2]
		Mouse	or	LD_{100}	25-50[2]
	(continued on next page)	Mouse	iv	LD	16

/1/ 2% solution in H_2O. /2/ Hydrochloride.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			David, Am. J. Trop. Med. 24:29, 1944.	2087
			Ibid	
			Slaughter, J. Pharm. Exp. Ther. 101:33, 1951.	2088
			Ibid	
			Zipf, Arch. exp. Path. Pharm. 209:165, 1950.	2089
			Ibid	
			Triana, Arch. Path. 49:278, 1950.	2090
			Ibid	
		3-5 da	Schettler, Zschr. ges. exp. Med. 116:138, 1950.	2091
			Molitor, Proc. Soc. Exp. Biol. Med. 43:125, 1940.	2092
			Ibid	
			Brodersen, Acta pharm. tox. 2:109, 1946.	2093
			Bijlsma, Zschr. ges. exp. Med. 11:257, 1920.	2094
		Instant	Hoffmann, Zbl. Chir. 45:921, 1918.	
			Bijlsma, Zschr. ges. exp. Med. 11:257, 1920.	
			Hagen, J. Am. Pharm. Assoc. 42:379, 1953.	2095
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Ibid	
			Cameron, J. Path. Bact. 46:95, 1938.	2096
			Ibid	
			Cameron, J. Path. Bact. 46:95, 1938.	2097
			Ibid	
			Cameron, J. Path. Bact. 46:95, 1938.	2098
			Ibid	
			Laubenheimer, "Phenol u. s. Derivate," 1909.	2099
		1-2 da	Treon, J. Ind. Hyg. Tox. 31:1, 1949.	2100
		1-2 da	Ibid	
		8½ hr	Ibid	
			Ibid	
		33 3/4 hr	Ibid	
	H_2O		Goldberg, Acta physiol. scand. 18:1, 1949.	2101
			Hunter, Brit. J. Anaesth. 23:153, 1951.	
2.729-6.773	Alcohol		Chen, J. Pharm. Exp. Ther. 111:365, 1954.	2102
			Hamet, C. rend. Soc. biol. 137:305, 1943.	2103
			Langer, Dissert., Breslau 1932.	
			Röthlin, Arch. int. pharmacod. 50:241, 1935.	

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
2103	Yohimbine (concluded)	Rabbit	sc	LD	50
		Rabbit	iv	LD	11
		Dog	sc	LD	20
2104	Yttrium chloride	Rat	ip	LD_{50}	450
2105	Yttrium nitrate	Frog	sc	MLD	350
		Rat	ip	LD_{50}	350
2106	Yttrium oxide	Rat	ip	LD_{50}	500
2107	Zephiran chloride[1]	Frog	or	LD_{50}	30
		Frog	sc	LD_{50}	15
		Mouse	ip	LD_{50}	10
		Mouse	iv	LD_{50}	10
		Guinea pig	ip	LD_{50}	10-12
		Dog	ip	LD_{50}	6.7
2108	Zinc acetate	Rabbit	or	MLD	976-1966
2109	Zinc chloride	Rat	iv	LD	60-90[2]
2110	Zinc diethyldithiocarbamate	Rabbit	or	LD_{50}	600
2111	Zinc ethylene-bis-dithiocarbamate	Rat	or	LD_{50}	>5200
2112	Zinc phosphide	Rat[3] (Norway)	or	LD_{50}	40.5±2.9
		Rat[4] (albino)	or	LD_{50}	46.7
2113	Zinc sulfate,[5] $ZnSO_4 \cdot 7H_2O$	Frog	sc	LD	149
		Rat	or	LD	2200
		Rat	sc	LD	330-440
		Rat	iv	LD	49.3-61.0
		Rabbit	or	LD	1914-2200
		Rabbit	sc	LD	>220-440
		Rabbit	iv	LD	44
		Dog	sc	LD	78
		Dog	iv	LD	66-110
2114	Ziram	Mouse♀	ip	LD_{50}	73±1
		Rat	or	LD_{50}	1400±99
		Rat♂	ip	LD_{50}	23±2
		Rat♀	ip	LD_{50}	33±5
		Guinea pig	or	LD_{50}	100-150
		Guinea pig	ip	LD_{50}	20-30
		Rabbit	or	LD_{50}	100-1020
		Rabbit	or	LD_{50}	400
		Rabbit	ip	LD_{50}	5-50
2115	Zirconyl acetate	Rat	or	LD_{50}	4100[6]
		Rat	ip	LD_{50}	300[6]
2116	Zirconyl chloride	Rat	or	LD_{50}	3500[6]
		Rat	ip	LD	400
2117	Zirconyl nitrate	Rat	or	LD_{50}	2500[6]
		Rat	ip	LD_{50}	1250[6]

/1/ Calculated as Zephiran commercial solution. /2/ 1% solution in H_2O. /3/ Norway. the most common form of zinc sulfate. /6/ 50% solution in H_2O.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			Flury, Abderhalden's Hdb. 4. 7b:1418. Ibid Langer, Dissert., Breslau 1932.	2103
			Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	2104
			Steidle, Arch. exp. Path. Pharm. 141:273, 1929. Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950.	2105
			Cochran, Arch. Ind. Hyg. Occ. Med. 1:537, 1950.	2106
			Arnold, Deut. Zschr. ger. Med. 41:297, 1952. Ibid Ibid Ibid Ibid Ibid	2107
			Eichholtz, Heffter's Hdb. 3. 3:1925.	2108
	H_2O		Bruner, Fed. Proc. 9:260, 1950.	2109
			Brieger, Proc. 9th Int. Congr. Acc. Med., 1948.	2110
			Smith, J. Pharm. Exp. Ther. 109:159, 1953.	2111
			Dieke, Pub. Health Rpt. 61:672, 1946. Div. Pharm. F. & D. Adm. Q. Rpt. 4, Oct. 1945.	2112
			Eichholtz, Heffter's Hdb. 3. 3:1925. Flury, Abderhalden's Hdb. 4. 7b:1419. Ibid Ibid Ibid Ibid Ibid Ibid Ibid	2113
			Hodge, J. Am. Pharm. Assoc. 41:662, 1952. Ibid Ibid Ibid Ibid Ibid Ibid Brieger, Proc. 9th Int. Congr. Acc. Med., 1948. Hodge, J. Am. Pharm. Assoc. 41:662, 1952.	2114
	H_2O H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950. Ibid	2115
	H_2O H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950. Ibid	2116
	H_2O H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950. Ibid	2117

/4/ Albino. /5/ Values given as mg zinc metal in literature are recalculated as $ZnSO_4.7H_2O$,

	Compound	Animal	Route	Dose	Dosage mg/kg
					Value
2118	Zirconyl sodium citrate	Rat	ip	LD_{50}	1710±80
2119	Zirconyl sodium gluconate	Rat	ip	LD_{50}	247±40
2120	Zirconyl sulfate	Rat	or	LD_{50}	3500[1]
		Rat	ip	LD_{50}	175[1]

/1/ 25% solution in H_2O.

Dosage mg/kg	Vehicle	Time of Death	Reference	
Range				
			McClinton, J. Pharm. Exp. Ther. 94:1, 1948.	2118
			McClinton, J. Pharm. Exp. Ther. 94:1, 1948.	2119
	H_2O H_2O		Cochran, Arch. Ind. Hyg. Occ. Med. 1:637, 1950. Ibid	2120

TABLE II

LETHAL CONCENTRATIONS OF GASES, VAPORS, AND FUMES IN RESPIRED AIR: LABORATORY ANIMALS

	Compound	Animal	Dose	Concentration mg/liter
1	Acetal	Rat	LC	19. 3
2	Acetaldehyde	Rat	LC_{50}	37
		Cat	LC	20
3	Acetic anhydride	Rat	LC_{50}	4. 3
4	Acetone	Rat	LC	76
		Rat	LC	100
		Rat	LC	200
		Rat	LC	300
		Guinea pig	LC	23. 7
		Guinea pig	LC	47. 4
		Guinea pig	LC	118. 5
		Cat	LC	50. 5
		Cat	LC	64
5	Acetylene	Rat	LC	947
6	Acrolein	Rat	LC_{50}	0. 019
		Rat	LC_{50}	0. 3
		Cat	LC	1. 5
		Cat	LC	1. 98
7	Acrylonitrile	Rat	LC_{50}	1. 1
		Rat	MLC_{100}	1. 38
		Dog	MLC	0. 24
8	Allyl acetate	Rat	LC_{50}	1
9	Allyl alcohol	Mouse	LC	12
		Rat	LC_{50}	0. 6
		Rat	LC	2. 4
		Rabbit	LC	1. 2
		Rabbit	LC	2. 4
		Monkey	LC	2. 4
10	Allyl chloride	Rat	MLC_{100}	50
		Rat	MLC_{100}	10
		Rat	MLC_{100}	1
		Guinea pig	MLC_{100}	50
		Guinea pig	MLC_{100}	10
		Guinea pig	MLC_{100}	1
11	Allylene	Rat	LC	82
12	Ammonia	Mouse	LC_{50}	7. 06 ± 0. 32
		Guinea pig	MLC	7-9. 5
		Rabbit	LC_{50}*	7
		Rabbit	MLC	3. 2-4. 4
		Cat	MLC	3. 5-5. 1

Concentration Parts per million	Exposure Time	Time of Death	Reference	
4000	4 hr	14 da	Smyth, J. Ind. Hyg. Tox. 31: 60, 1949.	1
	30 min		Skog, Acta pharm. tox. 6:299, 1950.	2
1112	Cont	1-2 hr	Iwanoff, Arch. f. Hyg. 73:307, 1911.	
1000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	3
32, 000	8 hr		Smyth, unpublished data, Mellon Inst.	4
42, 200	Cont	4½-5½ hr	Haggard, J. Ind. Hyg. Tox. 26:133, 1944.	
84, 400	Cont	2½-3 hr	Ibid	
126, 600	Cont	<2-<3 hr	Ibid	
10, 000	Cont	48 hr*	Specht, Pub. Health Rpt. 54:944, 1939.	
20, 000	Cont	22-26 hr	Ibid	
50, 000	Cont	3-4 hr*	Ibid	
21, 310	3 hr	72 hr	Kagan, Arch. f. Hyg. 94: 41, 1924.	
27, 000	4 hr	24 hr	Ibid	
900, 000	Cont	2 hr	Riggs, Proc. Soc. Exp. Biol. Med. 22:269, 1925.	5
8	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	6
	30 min		Skog, Acta pharm. tox. 6:299, 1950.	
655	2 1/4 hr	18 hr	Iwanoff, Arch. f. Hyg. 73:307, 1911.	
865	Cont	2½ hr	Ibid	
500	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	7
635	4 hr	8 hr	Dudley, J. Ind. Hyg. Tox. 24:27, 1942.	
110	Cont	4 hr	Ibid	
250	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	8
5000	1 hr		Smyth, unpublished data, Mellon Inst.	9
250	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	
1000	Cont	4 hr	McCord, J. Am. Med. Assoc. 98:2269, 1932.	
500	4 hr		Smyth, unpublished data, Mellon Inst.	
1000	Cont	>3-<5 hr	McCord, J. Am. Med. Assoc. 98:2269, 1932.	
1000	Cont	3 hr	Ibid	
14, 500	Cont	1 1/4 hr	Adams, J. Ind. Hyg. Tox. 22:79, 1940.	10
2900	Cont	3 hr	Ibid	
290	Cont	8 hr	Ibid	
14, 500	Cont	3/4 hr	Ibid	
2900	Cont	2 hr	Ibid	
290	Cont	4 hr	Ibid	
50, 000	Cont	2 hr	Riggs, Proc. Soc. Exp. Biol. Med. 22:269,1925.	11
10, 066	10 min	10 da	Silver, J. Ind. Hyg. Tox. 30:7, 1948.	12
9, 800-13, 500	3 hr	14 da	Lehmann, Arch. f. Hyg. 5:68, 1886.	
10, 066	1 hr		Boyd, J. Ind. Hyg. Tox. 26:29, 1944.	
4630-6250	Cont	5 3/4 hr	Lehmann, Arch. f. Hyg. 5:68, 1886.	
4950-7230	Cont	1½ hr	Ibid	

	Compound	Animal	Dose	Concentration mg/liter
13	Amylene	Rat	LC	171
14	Amyltrichlorosilane	Rat	LC	16. 8
15	Aniline	Mouse Rat Cat	LC$_{50}$ LC MLC	1. 12 ± 0. 03 2. 1 0. 7
16	Arsenic trichloride	Mouse Cat	LC LC	2. 5 0. 2
17	Arsine	Mouse Mouse Mouse Mouse Cat Cat Monkey	LC$_{50}$ LC$_{50}$ LC$_{50}$ LC$_{50}$* LC LC LC$_{80}$	0. 025 0. 1 0. 5 1 0. 15 0. 38-0. 94 0. 45
18	Benzene	Mouse Mouse Rat Cat Dog	MLC LC$_{50}$ LC$_{50}$ LC LC	38 31. 79 51 170 146
19	Benzyl alcohol	Rat	LC$_{50}$	8. 8
20	Bis-(p-chlorophenoxy)methane	Rat Rat	LC$_{50}$ LC$_{50}$*	98 82
21	Bromine	Guinea pig Rabbit Rabbit	LC LC LC	0. 98 0. 59 0. 98
22	Bromoform	Dog	LC	57. 9
23	1, 3-Butadiene	Rabbit	LC	552
24	Butadiene monoxide	Mouse Mouse	LC$_{50}$* LC$_{50}$*	0. 25mM 18
25	Butanone	Guinea pig Guinea pig	LC LC	294 29. 4
26	Butene - 2	Mouse	LC	420-430
27	Butyl acetate	Rat Cat	LC$_{50}$ LC	3 92
28	Butyl acrylate	Rat	LC	5. 2
29	Butylene	Rat	LC	687

Concentration Parts per million	Exposure Time	Time of Death	Reference	
60,000	Cont	2 hr	Riggs, Proc. Soc. Exp. Biol. Med. 22:269, 1925.	13
2000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	14
294.6	7 hr	24 hr	Von Oettingen, N. I. H. Bull. 188, 1947.	15
	8 hr		Rpt., Army Chem. Ctr., Md., June 1949.	
180	Cont	8½ hr	Lehmann, Lehrb. Arb. u. Gewerb. Hyg., 1919.	
338	Cont	10 min	Flury, "Schädliche Gase," p180, 1931.	16
27	20 min	4 da	Flury, Zschr. ges. exp. Med. 13:523, 1921.	
7.8	Cont	21-24 hr	Levy, Q. J. Exp. Physiol. 34:47, 1947.	17
31	Cont	50 min	Ibid	
156	Cont	2½ min	Ibid	
313	Cont	1 1/4 min	Ibid	
46.9	Cont	20 min	Flury, Abderhalden's Hdb. 4. 7b: 1306.	
119-294	1 hr	12-40 min	Ibid	
140.8	15 min	Sev da	Kensler, J. Pharm. Exp. Ther. 88:99, 1946.	
11,894	Cont	38 min	Fühner, Biochem. Zschr. 115:235, 1921.	18
9980	7 hr	8 hr	Svirbely, J. Ind. Hyg. Tox. 25:366, 1943.	
16,000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	
53,210	Cont	70 min	Lehmann, Arch. f. Hyg. 75: 1, 1912.	
45,698	Cont	30 min	Luig, Dissert., Würzburg 1913.	
2000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	19
18,000	3 hr	0.4 hr	Adams, Arch. Ind. Hyg. Occ. Med. 1:225, 1950.	20
14,250	7 hr	0.4 hr	Ibid	
300	Cont	3 hr	Lehmann, Arch. f. Hyg. 7:235, 1887.	21
180	Cont	6½ hr	Ibid	
300	3 hr	Sev hr	Ibid	
5600	Cont	< 1 hr	Merzbach, Zschr. ges. exp. Med. 63:383, 1928.	22
250,000	Cont	23 min	Carpenter, J. Ind. Hyg. Tox. 26:69, 1944.	23
			Doucet, J. Pharm. Exp. Ther. 101:9, 1951. Ibid	24
100,000	Cont	45-55 min	Patty, Pub. Health Rpt. 50:1217, 1935.	25
10,000	Cont	>13 hr	Ibid	
			Larianow, Kazansky Med. Zhur. 30:440, 1934.	26
2000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	27
19,000	37 min	Sev da	Flury, Arch. Gewerbepath. 5:63, 1934.	
1000	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	28
200,000	Cont	2 hr	Riggs, Proc. Soc. Exp. Biol. Med. 22:269, 1925.	29

	Compound	Animal	Dose	Concentration mg/liter
30	Butyl ether	Rat	LC	21
31	p-tert. -Butyltoluene	Mouse	LC$_{50}$	
		Rat	LC$_{50}$	
		Rat	LC$_{50}$	
		Rat	LC$_{50}$	
		Rat	LC$_{50}$	
32	Butyraldehyde	Rat	LC$_{50}$	174
		Rat	LC	47
33	Cadmium oxide[1]	Mouse	LC$_{100}$*	44
		Rat	LC$_{50}$*	28.8
		Guinea pig	LC$_{50}$	265-370
		Rabbit	LC$_{100}$*	265
		Cat	LC	2
		Dog	LC$_{50}$*	370
		Monkey	LC$_{50}$*	1100
34	Carbon dioxide	Rat	LC$_{80}$	360
		Rat	LC$_{100}$	450
		Rat	LC$_{100}$	900
		Rabbit	LC	540-810
		Rabbit	LC*	450
		Dog	LC*	640-820
35	Carbon disulfide	Rabbit	LC	16
		Cat	LC	23
		Cat	LC	122
36	Carbon monoxide	Mouse	LC	2.3-5.7
		Mouse	LC	4.6
		Guinea pig	LC	10.3
		Guinea pig	LC	20.6
		Guinea pig	LC	23
		Rabbit	LC	4.6
		Rabbit	LC	11.5
		Rabbit	LC*	17.2
		Cat	LC	4.6
		Cat	LC	5.7
		Cat	LC	11.5
		Cat	LC	34.4-45.8
		Dog	LC	34.4-45.8
		Pigeon	LC	11.5
		Chick	LC	4.6
		Sparrow	LC	11.5
37	Carbon oxysulfide	Mouse	LC	21.8
		Mouse	LC	7.3
		Mouse	LC	2.9
		Mouse		2.2

/1/ Individual susceptibility to cadmium oxide varies greatly.

Concentration Parts per million	Exposure Time	Time of Death	Reference	
4000	4 hr		Smyth, unpublished data, Mellon Inst.	30
248 ± 30	4 hr		Hine, Arch. Ind. Hyg. Occ. Med. 9:227, 1954.	31
934 ± 130	1 hr		Ibid	
734 ± 92	2 hr		Ibid	
248 ± 36	4 hr		Ibid	
165 ± 19	8 hr		Ibid	
16, 000	30 min		Skog, Acta pharm. tox. 6:299, 1950.	32
	4 hr		Smyth, unpublished data, Mellon Inst.	
	15 min	7 da	Barrett, J. Ind. Hyg. Tox. 29:279, 1947.	33
	15 min	7 da	Ibid	
	15 min	7 da	Ibid	
	15 min	7 da	Ibid	
	15 min	4 da	Otto, Zbl. Gewerbehyg. 2:309, 1925.	
	15 min	14 da	Barrett, J. Ind. Hyg. Tox. 29:279, 1947.	
	15 min	28 da	Ibid	
200, 000	Cont	4 da	Barbour, J. Pharm. Exp. Ther. 78:11, 1943.	34
250, 000	Cont	36 hr	Ibid	
500, 000	Cont	6 hr	Ibid	
300,000-500,000	Cont	30-45 min	Flury, "Schädliche Gase," p219, 1931.	
250, 000	Cont	24 hr	Ibid	
354,000-457,000	Cont	Sev hr	Ibid	
7400	6 1/4 hr	7 da	Lehmann, Arch. f. Hyg. 75: 1, 1912.	35
	Cont	3 hr	Lehmann, Arch. f. Hyg. 20:26, 1894.	
	48 min	12 hr	Ibid	
2000-5000	Cont	12-13 min	Haldane, J. Physiol. 22:239, 1897.	36
4000	Cont	45-50 min	Douglas, J. Physiol. 44:304, 1912.	
9000	Cont	60 min	Schwartau, Dissert., Göttingen 1896.	
18, 000	Cont	59 min	Ibid	
20, 000	Cont	20-50 min	Ibid	
4000	Cont	30-60 min	Gruber, Arch. f. Hyg. 1:145, 1883.	
10, 000	Cont	112 min	Gréhant, "L'Oxyde de Carbone," 1903.	
15, 000	Cont	40 min	Ibid	
4000	Cont	79 min*	Wirth, Arch. exp. Path. Pharm. 157:264, 1930.	
5000	Cont	45 min*	Ibid	
10, 000	Cont	15 min	Hofer, Arch. exp. Path. Pharm. 111:183, 1925.	
30, 000-40, 000	Cont	3-4 min	Pokrowsky, Arch. path. Anat. 30:530, 1864.	
30, 000-40, 000	Cont	3-5 min	Ibid	
10, 000	Cont	4 min	Bock, Heffter's Hdb. 1:70.	
4000	Cont	32 min	Gruber, Arch. f. Hyg. 1:145, 1883.	
10, 000	Cont	4 min	Gréhant, "L'Oxyde de Carbone," 1903.	
8900	Cont	45 min	Klemenc, Ber. deut. chem. Ges. 76:299, 1943.	37
2900	Cont	90 min	Ibid	
1200	Cont	35 min	Ibid	
900	16 min	Survived	Ibid	

	Compound	Animal	Dose	Concentration mg/liter
38	Carbon tetrachloride	Mouse	LC_{50}	59.95±0.86
		Mouse	MLC	65-70
		Rat	LC_{50}	150.5
		Cat	LC	90
39	Chlorine	Guinea pig	LC	0.4-0.9
		Rabbit	LC	0.4-0.9
		Cat	LC	0.4-0.9
		Dog	LC	1.2-1.3
40	1-Chloro-1,1-difluoroethane	Rat	LC	
41	2-Chloroethyl vinyl ether	Rat	LC_{50}	1.1
42	Chloroform	Mouse	LC_{50}	27.8
		Mouse	LC	38.7
		Mouse	LC	42.9
		Guinea pig	LC	82.6
		Rabbit	LC	58.7
		Rabbit	LC	70.9
		Dog	LC	100
43	1-Chloro-1-nitropropane	Guinea pig	LC_{100}	18
		Guinea pig	LC_{75}	25
		Rabbit	LC_{100}	18
		Rabbit	LC_{100}	25
44	Chloropicrin	Guinea pig	LC	0.8
		Rabbit	LC	0.8
		Rabbit	LC	5
		Cat	LC	0.8
45	1-Chloro-2-propanol	Rat	LC	3.9
46	Chlorotrifluoroethylene	Rat	LC	38
47	Crotonaldehyde	Rat	LC	4
		Guinea pig	LC	5.7
48	Crotonylene	Mouse	LC	250
49	Cumene	Mouse	MLC_{50}	10
		Rat	LC_{50}	39
50	Cyanogen chloride	Mouse	LC	0.78
		Rat	LC	1.40
		Rat	LC	2.80
		Dog	LC	0.8
		Goat	LC	2.2
		Goat	LC	2.7
		Goat	LC	5.1

Concentration Parts per million	Exposure Time	Time of Death	Reference	
9528	7 hr	8 hr	Svirbely, J. Ind. Hyg. Tox. 29:382, 1947.	38
10, 320-13, 160	2 hr		Lazarew, Arch. exp. Path. Pharm. 141:19, 1929.	
23, 900	30 min	14 da	Spiegel, A.E.C. MDDC-1715, 1948.	
14, 300	70 min	1-17 da	Reuss, Dissert. ,Würzburg 1931.	
280-630	Cont	64 min	Lehmann, Arch. f. Hyg. 7:233, 1887.	39
280-630	65 min	24 min	Ibid	
280-630	Cont	60 min	Ibid	
800-900	30 min	Later	Barbour, J. Pharm. Exp. Ther. 14:65, 1919.	
500, 000			Lester, Arch. Ind. Hyg. Occ. Med. 2:335, 1950.	40
250	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	41
5687	7 hr	8 hr	Von Oettingen, N. I. H. Bull. 191, 1949.	42
6150	Cont	3 hr	Molitor, J. Pharm. Exp. Ther. 57:274, 1936.	
8300	20 min	24 hr	Wittgenstein, Arch. exp. Path. Pharm. 83:234, 1918.	
15, 400	Cont	10 min	Ibid	
12, 000	Cont	2 hr	Rosenfeld, Arch, exp. Path. Pharm. 37:52, 1892.	
14, 500	Cont	40 min	Madelung, Arch. exp. Path. Pharm. 62:409, 1910.	
20, 480	Cont	2-2½ hr	Bert, C. rend. Soc. biol. 35:241, 1883.	
3473	Cont	120 min	Machle, J. Ind. Hyg. Tox. 27:95, 1945.	43
4960	Cont	60 min	Ibid	
3473	Cont	120 min	Ibid	
4960	Cont	60 min	Ibid	
110	20 min	2 da	Ritlop, Zschr. ges. exp. Med. 106:296, 1939.	44
110	20 min	3 da	Ibid	
743	Cont	30 min	Mayer, C. rend. Acad. sc. 171:1396, 1920.	
110	20 min	14 da	Ritlop, Zschr. ges. exp. Med. 106:296, 1939.	
1000	4 hr		Smyth, unpublished data, Mellon Inst.	45
8000	4 hr		Smyth, unpublished data, Mellon Inst.	46
	30 min	24 hr	Skog, Acta pharm. tox. 6:299, 1950.	47
2000	30 min		Smyth, unpublished data, Mellon Inst.	
90, 000	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:223, 1929.	48
2040	7 hr	8-24 hr	Werner, J. Ind. Hyg. Tox. 26:264, 1944.	49
8000	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	
310	7½ min		Flury, Abderhalden's Hdb. 4. 7b:1341.	50
	10 min		Fuhr, Rpt. Army Chem. Ctr., April 1944.	
	5 min		Ibid	
318	7½ min		Flury, Abderhalden's Hdb. 4. 7b:1341.	
	7-10 min		McGrath, Rpt. Army Chem. Ctr., March 1944.	
	10-20 min		Ibid	
	1-2 min		Ibid	

	Compound	Animal	Dose	Concentration mg/liter
51	Cyclohexadiene	Mouse	LC	45
52	Cyclohexane	Mouse	LC	60-70
		Rabbit	LC$_{100}$	89.6
53	Cyclohexanone	Rat	LC$_{50}$	32
54	Cyclohexene	Mouse	LC	45-60
55	Cyclopentane	Mouse	LC	110
56	Decaborane	Mouse	LC*	
57	Decahydronaphthalene	Rat	LC$_{50}$	2.8
58	1, 1-Diacetoxypropene-2	Rat	LC$_{50}$	0.06
59	Di-(acetylcyanide)	Mouse	MLC	
		Rat	MLC	
		Rabbit	MLC	
60	Diborane	Mouse	LC$_{50}$	
		Rat	LC$_{50}$*	
61	1, 1-Dibromoethane	Guinea pig	LC	30.7
62	n-Dibutylamine	Rat	LC	2.6
63	2, 2'-Dichloroacetyl chloride	Rat	LC$_{50}$	12
64	1, 4-Dichlorobutene-2	Rat	LC$_{50}$	0.32
65	1, 1-Dichloroethane	Mouse	MLC	70
		Rat	LC	64.7
66	1, 2-Dichloroethane	Mouse	MLC	150-200
		Mouse	LC$_{100}$	12.4
		Rat	LC$_{100}$	12.4
		Rat	LC$_{50}$	4
		Rat	LC$_{50}$	
		Rat	LC$_{50}$	
		Rat	LC$_{50}$	
		Guinea pig	LC$_{100}$	12.4
		Rabbit	LC$_{100}$	12.4
67	Di-(2-chloroethoxy) methane	Rat	LC$_{50}$	0.44
68	1, 2-Dichloroethyl acetate	Rat	LC$_{50}$	0.10
69	Dichloroethylene	Mouse	LC	76.2
		Guinea pig	LC	155.2

Concentration Parts per million	Exposure Time	Time of Death	Reference	
13, 770	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:223,1929.	51
14, 460-20, 370	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:223,1929.	52
26, 572	1 hr		Treon, J. Ind. Hyg. Tox. 25:323, 1943.	
8000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	53
13, 410-17, 880	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:223, 1929.	54
38, 390	2 hr		Lazarew, Arch. exp. Path. Pharm. 149:116, 1930.	55
26	4 hr	48 hr	Krackow, Arch. Ind. Hyg. Occ. Med. 8:335, 1953.	56
500	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	57
8	4 hr		Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	58
73	8 hr		Treon, Arch. Ind. Hyg. Occ. Med. 4:573, 1951.	59
66	8 hr		Ibid	
73	8 hr		Ibid	
175-200	15 min		Krackow, Arch. Ind. Hyg. Occ. Med. 28:335, 1953.	60
50	4 hr		Ibid	
4000	1 hr	6-18 hr	Thomas, Pub. Health Rpt. 42:370, 1927.	61
500	4 hr		Smyth, unpublished data, Mellon Inst.	62
2000	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	63
62	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	64
17, 290	2 hr		Lazarew, Arch. exp. Path. Pharm. 141:19, 1929.	65
16, 000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	
56, 850-75, 800	2 hr		Lazarew, Arch. exp. Path. Pharm. 141:19, 1929.	66
3000	7 hr	1 da	Heppel, J. Pharm. Exp. Ther. 84:53, 1945.	
3000	7 hr	1 da	Ibid	
1000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	
12, 000	0. 53 hr	2-7 da	Spencer, Arch. Ind. Hyg. Occ. Med. 4:482, 1951.	
3000	2. 75 hr	2-7 da	Ibid	
1000	3. 7 hr	2-7 da	Ibid	
3000	7 hr	1-2 da	Heppel, J. Pharm. Exp. Ther. 84:53, 1945.	
3000	7 hr	1-3 da	Ibid	
62	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	67
16	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	68
14, 270	Cont	2 hr*	Wittgenstein, Arch. exp. Path. Pharm. 83:234, 1918.	69
35, 820	Cont	1 hr	Ibid	

Compound		Animal	Dose	Concentration mg/liter
70	2, 2'-Dichloroethyl ether	Guinea pig	LC_{50}	5. 9
71	2, 2'-Dichloroisopropyl ether	Rat	LC	14
		Guinea pig	LC	7
72	Dichloromethane	Mouse	MLC	50
		Mouse	LC_{50}	56. 23±0. 34
73	1, 1-Dichloro-1-nitromethane	Guinea pig	LC_{100}	0. 58
		Guinea pig	LC_{100}	14. 4
		Guinea pig	LC_{100}	57. 7
		Rabbit	LC_{100}	0. 58
		Rabbit	LC_{100}	14. 4
		Rabbit	LC_{100}	57. 7
74	1, 2-Dichloropropane	Mouse	LC_{100}	10. 4
		Rat	LC_{50}	9. 2
75	2, 3-Dichloropropanol	Rat	LC_{50}	2. 6
76	2, 3-Dichloropropionaldehyde	Rat	LC_{50}	0. 083
77	Diethoxychlorosilane	Rat	LC_{50}	25
78	1, 2-Diethoxyethane	Rat	LC_{50}	38. 6
79	Diethylamine	Rat	LC_{50}	12
80	Diethyl-2-chlorovinyl phosphate	Rat	LC_{50}	
81	Diethyl fluorophosphate	Mouse	LC_{50}	0. 50
82	Diethyl ketone	Rat	LC	76. 7
83	Diethyl sulfate	Rat	LC	3. 15
84	1, 1-Difluoro-1, 2-dibromoethane	Rat	LC	0. 5-1. 0%[1]
		Rat	LC	5%[1]
85	1, 1-Difluoroethane	Rat	LC	50-55%[1]
86	1, 1-Difluoroethylene	Rat		80%[1]
87	Diisobutyl ketone	Rat	LC_{50}	11. 6
88	Diisopropyl fluorophosphate	Mouse	LC_{50}	5
		Mouse	LC_{50}	2. 65
		Mouse	LC_{50}	0. 75
		Mouse	LC_{50}	0. 60
		Mouse	LC_{50}	0. 44
		Mouse	LC_{50}	0. 185
		Rat	LC_{50}	4. 2

(continued on next page)

/1/ By volume in air. /2/ No severe toxic effects followed this exposure.

Concentration Parts per million	Exposure Time	Time of Death	Reference	
1000	45 min		Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	70
2000	4 hr		Smyth, unpublished data, Mellon Inst.	71
1000	8 hr		Ibid	
14,400	2 hr		Lazarew, Arch. exp. Path. Pharm. 141:19, 1929.	72
16,188	Cont	8 hr	Svirbely, J. Ind. Hyg. Tox. 29:382, 1947.	
98	300 min	Sev hr	Machle, J. Ind. Hyg. Tox. 27:95, 1945.	73
2425	135 min	Sev hr	Ibid	
9797	10 min	Sev hr	Ibid	
98	300 min	Sev hr	Ibid	
2425	135 min	Sev hr	Ibid	
9797	10 min	Sev hr	Ibid	
2200	Cont	<7 hr	Heppel, J. Ind. Hyg. Tox. 28:1, 1946.	74
2000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	
500	4 hr		Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	75
16	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	76
4000	4 hr		Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	77
8000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	78
4000	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	79
22.4	1 hr		Kodama, Arch.Ind. Hyg. Occ. Med. 9:45, 1954.	80
78	10 min	1 hr	Silver, J. Ind. Hyg. Tox. 30:307, 1948.	81
16,000	4 hr		Smyth, unpublished data, Mellon Inst.	82
500	4 hr		Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	83
	18 hr		Lester, Arch. Ind. Hyg. Occ. Med. 2:335, 1950.	84
	2 hr		Ibid	
		10-25min	Lester, Arch. Ind. Hyg. Occ. Med. 2:335, 1950.	85
	18 hr^2		Lester, Arch. Ind. Hyg.Occ. Med. 2:335, 1950.	86
2000	4 hr		Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	87
664	1 min	2 hr	Kilby, Brit. J. Pharm. 2:234, 1947.	88
350	2 min	2 hr	Ibid	
99.6	5 min	2 hr	Ibid	
80	10 min	1 hr	Silver, J. Ind. Hyg. Tox. 30:307, 1948.	
58.4	10 min	2 hr	Kilby, Brit. J. Pharm. 2:234, 1947.	
24.6	30 min	2 hr	Ibid	
558.2	1 min	2 hr	Ibid	

	Compound	Animal	Dose	Concentration mg/liter
88	Diisopropyl fluorophosphate (concluded)	Rat	LC_{50}	2
		Rat	LC_{50}	0.7
		Rat	LC_{50}	0.36
		Rat	LC_{50}	0.18
89	1, 1-Dimethoxyethane	Rat	LC_{50}	33
90	Dimethyl-1-carbomethoxy-1-propen-2-yl phosphate	Rat♀	LC_{50}	
91	Dimethylcyclohexane	Mouse	LC	25-30
92	Dimethyl disulfide	Rat	LC	20
93	Dimethyl fluorophosphate	Mouse	LC_{50}	0.29
94	Dimethyl phthalate	Cat	LC	9.3
95	Dimethyl sulfate	Rat	LC_{50}	0.17
96	Dimethyl sulfide	Rat	LC	140
97	3, 5-Dimethyltetrahydropyrone-1, 4	Rat	LC_{50}	42
98	1, 4-Dioxane	Mouse	LC	7.5
		Mouse	LC	36
		Mouse	LC	18
		Rat	LC	36
		Rat	LC	18
		Guinea pig	LC	36
		Guinea pig	LC	18
		Rabbit	LC	18
		Cat	LC	65
99	1, 3-Dioxolane	Rat	LC	97
100	Diphenyl[1]	Rat	LC	0.3
101	Divinyl ether	Mouse	LC_{50}	2.1 mM
102	1, 2-Epoxy-3-chloropropane	Rat	LC_{50}	0.94
103	Ethanol	Mouse	LC	55
		Rat	LC	18.8-22.5
		Rat	LC	37.6-43.3
		Rat	LC	84.6
		Guinea pig	LC	84.6
104	Ether	Mouse	LC_{50}	127.4
		Mouse	LC	133.4
		Rat	LC	194

(continued on next page)

/1/As a dust. /2/ 49 exposures of 7 hours duration each.

Concentration Parts per million	Exposure Time	Time of Death	Reference	
364.8	2 min	2 hr	Kilby, Brit. J. Pharm. 2:234, 1947.	88
93	5 min	2 hr	Ibid	
47.8	10 min	2 hr	Ibid	
23.9	30 min	2 hr	Ibid	
16,000	4 hr		Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	89
14.4	1 hr		Kodama, Arch. Ind. Hyg. Occ. Med. 9:45, 1954.	90
5458-6549	2 hr		Lazarew, Arch. exp.Path. Pharm. 143:223, 1929.	91
5000	Cont	15 min	Ljunggren, Acta physiol scand. 5:248, 1943,	92
56	10 min	6 hr	Silver, J. Ind. Hyg. Tox. 30:307, 1948.	93
1213	390 min	3 da	Eller, Dissert., Würzburg 1937.	94
32	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	95
54,000	Cont	15 min	Ljunggren, Acta physiol. scand. 5:248, 1943.	96
8000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	97
2085	8 hr	21½ hr	Klimmer, Dissert., Würzburg 1937.	98
10,000	Cont	3 hr	Schrenk, J. Ind. Hyg. Tox. 18:448, 1936.	
5000	Cont	3-51 hr	Ibid	
10,000	Cont	3-10½ hr	Ibid	
5000	Cont	9-15 hr	Ibid	
10,000	Cont	3-7½ hr	Ibid	
5000	Cont	43.5 hr	Ibid	
5000	Cont	16.5 hr	Ibid	
18,000	258 min	4-5 da	Klimmer, Dissert., Würzburg 1937.	
32,000	4 hr		Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	99
	7 hr[2]		Deichmann, J. Ind. Hyg. Tox. 29:1, 1947.	100
			Molitor, J. Am. Med. Assoc. 109:656, 1937.	101
250	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	102
29,000	Cont		Bachem, Arch. exp. Path. Pharm. 122:69, 1927.	103
10,000-12,000	4 hr	24 hr	Loewy, Biochem. Zschr. 86:125, 1918.	
20,000-23,000	Cont	10 hr	Ibid	
45,000	Cont	8 3/4 hr	Ibid	
45,000	Cont	11 hr*	Ibid	
42,000	Cont	3 hr	Molitor, J. Pharm. Exp. Ther. 57:274, 1936.	104
44,000	Cont	97 min*	Kärber, Arch. exp. Path. Pharm. 142:1, 1929.	
64,000	4 hr		Smyth, unpublished data, Mellon Inst.	

	Compound	Animal	Dose	Concentration mg/liter
104	Ether (concluded)	Rabbit Dog	LC LC	321.2 230.2-583.3
105	2-Ethoxyethanol	Mouse Rat	MLC LC_{50}	6.7 14.8
106	2-Ethoxyethanol acetate	Rat	LC_{50}	10.8
107	3-Ethoxypropionaldehyde	Rat	LC_{50}	1
108	Ethyl acetate	Mouse Rat Cat	LC_{50} LC LC	44 57.7 61
109	Ethyl acrylate	Rat	LC	8.2
110	Ethylbenzene	Mouse	LC	45
111	Ethyl bromide	Rat Rat	LC LC	89.2 133.8
112	Ethylbutylketone	Rat	LC	18.2
113	2-Ethylbutyraldehyde	Rat	LC_{50}	16.3
114	Ethylcyclohexane	Mouse	LC	35
115	Ethylene	Mouse	LC	1087
116	Ethylene chlorohydrin	Rat	LC_{50}	0.10
117	Ethylenediamine	Rat	LC	9.9
118	Ethylene glycol monobutyl ether	Mouse	MLC	3.4
119	Ethylene glycol monoisopropyl ether	Mouse	MLC	3.4
120	Ethylene glycol monomethyl ether	Mouse	MLC	4.6
121	Ethylene glycol monopropyl ether	Mouse	MLC	6.5
122	Ethyleneimine	Mouse Rat	LC_{50} LC_{50}	3.93±0.42 0.44
123	Ethylene oxide	Rat Rat Rat Rat Guinea pig Guinea pig Guinea pig	LC_{50} LC LC LC LC LC LC	7.2 104 180 450 90-180 36 9

Concentration Parts per million	Exposure Time	Time of Death	Reference	
106,000 76,000-192,500			Flury, Abderhalden's Hdb. 4.7b:1294. Ibid	104
1820 2000	7 hr 4 hr	3 wk	Werner, J. Ind. Hyg. Tox. 25:157, 1943. Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	105
2000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	106
250	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	107
12,330 16,000 17,000	Cont 8 hr 1 hr	3 hr 70 min	Spealman, Indust. Med. 14:292, 1945. Smyth, unpublished data, Mellon Inst. Flury, Arch. Gewerbepath. 5:16, 1934.	108
2000	4 hr		Pozzani, J. Ind. Hyg. Tox. 31:311, 1949.	109
10,382	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:223, 1929.	110
20,000 30,000	1 hr 1 hr	Delayed 3-12 hr	Flury, Abderhalden's Hdb. 4.7b:1315. Ibid	111
4000	4 hr		Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	112
4000	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	113
7605	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:223, 1929.	114
950,000	Cont	5-10 min	Flury, Arch. exp. Path. Pharm. 138:65, 1928.	115
32	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	116
4000	8 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	117
700	7 hr	3 wk	Werner, J. Ind. Hyg. Tox. 25:157, 1943.	118
700	7 hr	3 wk	Werner, J. Ind. Hyg. Tox. 25:157, 1943.	119
1480	7 hr	3 wk	Werner, J. Ind. Hyg. Tox. 25:157, 1943.	120
1530	7 hr	3 wk	Werner, J. Ind. Hyg. Tox. 25:157, 1943.	121
2240 250	10 min 2 hr	10 da	Silver, J. Ind. Hyg. Tox. 30:7, 1948. Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	122
4000 58,000 100,000 250,000 50,000-100,000 20,000 5000	4 hr Cont 39 min Cont 1½ hr 1 hr	 6 hr 24 hr Instant Few min 24 hr 40 hr	Carpenter, J. Ind. Hyg. Tox. 31:343, 1949. Henderson, J. Pharm. Exp. Ther. 57:394, 1936. Stehle, Arch. exp. Path. Pharm. 104:82, 1924. Ibid Waite, Pub. Health Rpt. 45:1832, 1930. Koelsch, Zbl. Gewerbehyg. 264, 1930. Ibid	123

Compound		Animal	Dose	Concentration mg/liter
124	Ethyl formate	Rat	LC	24.2
125	2-Ethylhexaldehyde	Rat	LC	53.5
126	2-Ethylhexene-1	Rat	LC_{50}	18.6
127	2-Ethylhexylamine	Rat	LC	1.3
128	2-Ethylhexyl chloride	Rat	LC_{50}	24.4
129	4-Ethylmorpholine	Rat	LC	18.8
130	Fluoroethylene	Rat		80%[1]
131	Formaldehyde	Rat	LC_{50}	1
		Rat	LC	0.31
		Cat	LC	6
		Cat	LC	9.6
132	Furan	Rat	LC	84.5
133	Gasoline	Mouse	LC	123
134	Germanium hydride	Mouse	LC	6.3
135	Heptane	Mouse	LC	65
		Mouse	LC	75
136	Hexachloropropane	Rat	LC_{50}	4.4
137	Hexachloropropylene	Mouse	LC_{100}	
		Rat	LC_{100}	
		Rabbit	LC_{100}	
138	Hexane	Mouse	LC	154
		Mouse	LC	120-150
139	2, 5-Hexanedione	Rat	LC_{50}	9.4
140	2-Hexanone	Mouse	LC_{50}	36.8
141	"Hexone"	Rat	LC	16.4
		Guinea pig	LC	40.9
		Guinea pig	LC	81.8
		Guinea pig	LC	26.5
		Guinea pig	LC	4
142	Hexylene	Mouse	LC	130-150
143	Hydrazine	Rat	LC_{50}	128-576[3]

/1/ By volume in air. /2/ Without serious toxic effects. /3/ Milligrams per cubic meter.

Concentration Parts per million	Exposure Time	Time of Death	Reference	
8000	4 hr		Smyth, unpublished data, Mellon Inst.	124
8000	4 hr		Smyth, unpublished data, Mellon Inst.	125
4000	4 hr		Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	126
250	4 hr		Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	127
4000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	128
4000	4 hr		Smyth, unpublished data, Mellon Inst.	129
	12½ hr	Survived[2]	Lester, Arch. Ind. Hyg. Occ. Med. 2:335, 1950.	130
	30 min		Skog, Acta pharm. tox. 6:299, 1950.	131
250	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	
4890	3 hr	3½ hr	Iwanoff, Arch. f. Hyg. 73:307, 1911.	
7825	Cont	3½ hr	Ibid	
30, 400	Cont	8-48 hr	Henderson, J. Pharm. Exp. Ther. 57:394, 1936.	132
	Cont	104 min	Führer, Biochem. Zschr. 115:235, 1921.	133
2000	60 min	24 hr	Paneth, Ber. deut. chem. Ges. 57:1925, 1924.	134
15, 900	Cont	30 min	Führer, Biochem. Zschr. 115:235, 1921.	135
18, 337	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:223, 1929.	
425	30 min	14 da	Spiegel, A. E. C. MDDC-1715, 1948.	136
530	30 min	1 da	Spiegel, A. E. C. MDDC-1715, 1948.	137
425	30 min	2-14 da	Ibid	
310	30 min	6-7 da	Ibid	
43, 736	Cont	120 min	Führer, Biochem. Zschr. 115:235, 1921.	138
34, 000-42, 600	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:223, 1929.	
2000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	139
9000	1 hr	7 da	Hart, Univ. Cal. Publ. Pharmacol. 1:161, 1939.	140
4000	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	141
10, 000	Cont	4 hr	Specht, Pub. Health Rpt. 53:292, 1938.	
20, 000	Cont	70 min	Schrenk, Pub. Health Rpt. 51:624, 1935.	
6500	Cont	9 hr	Ibid	
1000	18½ hr	Delayed	Ibid	
37, 830-43, 650	2 hr		Lazarew, Arch. exp. Path Pharm. 143:223, 1929.	142
	2 hr		Krop, Arch. Ind. Hyg. Occ. Med. 9:199, 1954.	143

Compound		Animal	Dose	Concentration mg/liter
144	Hydrazoic acid	Rat	LC$_{100}$	2. 3
		Guinea pig	LC$_{50}$	1. 9
		Cat	LC	0. 2
		Cat	LC	0. 3
		Cat	LC	0. 5
		Cat	LC	1
145	Hydrochloric acid	Guinea pig	LC$_{100}$	1
		Guinea pig	LC$_{100}$	6. 5
		Rabbit	LC$_{100}$	1
		Rabbit	LC$_{100}$	6. 5
146	Hydrocyanic acid	Cat	LC	0. 2
		Cat	LC	0. 35
		Dog	LC	0. 2
		Dog	LC	0. 35
		Monkey	LC	0. 2
		Monkey	LC	0. 35
147	Hydrofluoric acid	Guinea pig	LC	0. 04
		Guinea pig	LC	0. 24
		Guinea pig	LC	0. 53
		Rabbit		0. 04
		Rabbit	LC	0. 24
		Rabbit	LC	0. 53
148	Hydrogen selenide	Guinea pig	LC$_{50}$*	0. 012
		Guinea pig	LC$_{50}$*	0. 020
		Guinea pig	LC$_{50}$*	0. 35
149	Hydrogen sulfide	Mouse	LC	1. 12
		Rat	LC	1. 5
		Rabbit	LC	1. 5
		Cat	LC	1. 4
		Dog	LC	0. 7
150	Iodine	Dog	MLC	14-18
151	Isobutyraldehyde	Rat	LC	47
152	Isophorone	Guinea pig	LC	25. 9
153	Isoprene	Mouse	LC	140
154	Isopropyl acetate	Rat	LC	137
155	Isopropyl alcohol	Rat	LC$_{50}$	40
156	Isopropylamine	Rat	LC	19. 4

Concentration Parts per million	Exposure Time	Time of Death	Reference	
1300	Cont	1/2-3/4 hr	Fairhall, Pub. Health Rpt. 58:607, 1943.	144
1040	Cont	1 hr	Ibid	
113.8	Cont	500 min	Hildebrandt, Arch.exp.Path.Pharm. 187:155, 1937.	
170.7	Cont	240 min	Ibid	
284.5	Cont	60 min	Ibid	
569	15 min	>65 min	Ibid	
670	2-6 hr		Machle, J. Ind. Hyg. Tox. 24:222, 1942.	145
4290	Cont	30 min	Ibid	
670	2-6 hr		Ibid	
4290	Cont	30 min	Ibid	
181	Cont	5-10 min	Flury, Abderhalden's Hdb. 4. 7b: 1340.	146
317	Cont	Instant	Ibid	
181	Cont	5-10 min	Ibid	
317	Cont	Instant	Ibid	
181	Cont	5-10 min	Ibid	
317	Cont	Instant	Ibid	
50	Cont	2 hr	Ronzani, Arch. f. Hyg. 70:217, 1909.	147
250	Cont	1 hr	Ibid	
660	Cont	30 min	Ibid	
50	Cont	Survived	Ibid	
250	Cont	3 hr	Ibid	
660	Cont	1½ hr	Ibid	
3.6	30 min	1-15 da	Dudley, Pub. Health Rpt. 52:1217, 1937.	148
6	30 min	1-30 da	Ibid	
105.7	10 min	1-5 da	Ibid	
800	Cont	10-30 min	Flury, Abderhalden's Hdb. 4. 7b: 1396.	149
1000	Cont	15 min	Ljunggren, Acta physiol. scand. 5:248, 1943.	
1000	Cont	2 min	Lehmann, Arch. f. Hyg. 14:135, 1892.	
900	Cont	5 min	Ibid	
500	Cont	1 min	Ibid	
2700-3460	Cont	4-16 hr	Luckhardt, J. Pharm. Exp. Ther. 15:1, 1920.	150
16,000	4 hr		Smyth, unpublished data, Mellon Inst.	151
4600	8 hr	Later	Smyth, J. Ind. Hyg. Tox. 22:477, 1940.	152
51,800	2 hr		Lazarew, Kazansky Med. Zhur. 30:440, 1934.	153
32,000	4 hr		Smyth, unpublished data, Mellon Inst.	154
16,000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	155
8000	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	156

Compound		Animal	Dose	Concentration mg/liter
157	Isopropyl ether	Rat	LC	66.7
		Guinea pig	LC	250
		Rabbit	LC	250
		Monkey	LC	250
158	Ketene	Mouse	LC$_{50}$	0.6
		Mouse	MLC	0.089
		Rat	LC$_{100}$	0.43
		Rat	MLC	0.64
		Guinea pig	LC$_{50}$	0.63
		Guinea pig	MLC	0.85
		Rabbit	LC	1.70
		Cat	LC$_{50}$	0.63
		Cat	MLC	1.26
		Monkey	MLC	0.34
159	2-Mercaptoethanol	Rat	LC	0.80
160	Mesityl oxide	Mouse	LC$_{50}$	48.1
		Rat	LC$_{100}$	52.1
		Rat	LC$_{100}$	10
		Rat	LC$_{30}$	2
		Guinea pig	LC$_{100}$	52.1
		Guinea pig	LC$_{100}$	10
		Guinea pig	LC$_{30}$	2
161	Methacrylaldehyde	Rat	LC	0.7
162	Methanol	Mouse	LC	317-475
		Rat	LC	227.5
		Rat	LC	83.6
		Cat	LC	380
163	2-Methoxyethanol	Rat	LC$_{50}$	6.2
164	Methyl acetate	Rat	LC	97
		Cat	LC	106
165	Methyl acrylate	Rat	LC$_{50}$	3.5
166	Methylal	Mouse	LC$_{50}$	57
167	Methyl amyl ketone	Rat	LC	18.6
168	2-Methyl aziride	Rat	LC$_{50}$	1.2
169	Methyl bromide	Rat	LC$_{100}$	0.63
		Rat	LC$_{100}$	10
		Rat	LC$_{100}$	0.84
		Rat	LC$_{100}$	50
	(continued on next page)	Rabbit	LC$_{100}$	10

/1/ Later.

Concentration Parts per million	Exposure Time	Time of Death	Reference	
16,000	4 hr		Smyth, unpublished data, Mellon Inst.	157
60,000	Cont	78 min	Machle, J. Ind. Hyg. Tox. 21:72, 1939	
60,000	Cont	35 min	Ibid	
60,000	Cont	20 min	Ibid	
350	10 min	55 min	Wooster, J. Ind. Hyg. Tox. 29:56, 1947.	158
50	10 min	1-7 hr	Treon, J. Ind. Hyg. Tox. 31:209, 1949.	
250	10 min	$2\frac{1}{2}$ hr	Wooster, J. Ind. Hyg. Tox. 29:56, 1947.	
375	10 min	>3-<10hr	Treon, J. Ind. Hyg. Tox. 31:209, 1949.	
366	10 min	8-12 hr	Wooster, J. Ind. Hyg. Tox. 29:56, 1947.	
500	10 min	5.5 hr	Treon, J. Ind. Hyg. Tox. 31:209, 1949.	
1000	10 min	0.8 hr	Ibid	
366	10 min	8-12 hr	Wooster, J. Ind. Hyg. Tox. 29:56, 1947.	
750	10 min	2.83 hr	Treon, J. Ind. Hyg. Tox. 31:209, 1949.	
200	10 min	7.67 hr	Ibid	
250	8 hr		Smyth, unpublished data, Mellon Inst.	159
12,000	1 hr	7 da	Hart, Univ. Cal. Publ. Pharmacol. 1:161, 1939.	160
13,000	Cont	1 hr	Smyth, J. Ind. Hyg. Tox. 24:46, 1942.	
2500	Cont	8 hr	Ibid	
500	Cont	8 hr	Ibid	
13,000	Cont	1 hr	Ibid	
2500	Cont	8 hr	Ibid	
500	Cont	8 hr	Ibid	
250	4 hr	14 da	Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	161
242,000-363,000	Cont	$3\text{-}4\frac{1}{2}$ hr	Weese, Arch. exp. Path. Pharm. 135:118, 1928.	162
174,000	Cont		Bachem, Arch. exp. Path. Pharm. 122:69, 1927.	
64,000	8 hr		Smyth, unpublished data, Mellon Inst.	
290,000	$3\frac{1}{2}$ hr		Flury, "Schädliche Gase," p347, 1931.	
2000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	163
32,000	4 hr		Smyth, unpublished data, Mellon Inst.	164
35,000	30 min	5 min[1]	Flury, Arch. Gewerbepath. 5:8, 1936.	
1000	4 hr		Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	165
	Cont	7 hr	Weaver, Brit. J. Indust. M. 8:279, 1951.	166
4000	4 hr		Smyth, unpublished data, Mellon Inst.	167
500	4 hr		Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	168
514	Cont	6 hr	Irish, J. Ind. Hyg. Tox. 22:218, 1940.	169
2570	Cont	42 min	Ibid	
5140	Cont	24 min	Ibid	
12,850	Cont	6 min	Ibid	
2570	Cont	132 min	Ibid	

	Compound	Animal	Dose	Concentration mg/liter
169	Methyl bromide (concluded)	Rabbit Rabbit	LC_{100} LC_{100}	20 50
170	2-Methyl-1-butene-3-one	Rat	LC_{50}	0. 42
171	Methyl butyl ketone	Rat	LC	32. 7
172	3-Methylbutyne	Mouse	LC	250
173	Methyl chloride	Mouse Guinea pig Guinea pig	LC_{50} MLC_{50}* LC	6. 5 0. 15 43-51
174	Methylcyclohexane	Mouse	LC	40-50
175	2-Methyl-1, 3-dioxolane	Rat	LC_{50}	57. 7
176	2-Methyl-5-ethylpyridine	Rat	LC	5
177	Methyl formate	Guinea pig	LC	122. 7
178	2-Methylhexane	Mouse	LC	70-80
179	Methyl iodide	Mouse Mouse Mouse	LC LC LC	0. 04-0. 4 2. 2-3. 2 4. 3
180	Methyl mercaptan	Rat	LC	20
181	Methylmethacrylate	Mouse	LC_{50}	55
182	Methylmorpholine	Rat	LC	16. 5
183	2-Methylpyridine	Rat	LC	15. 2
184	Methyl silicate	Rat	LC	1. 2
185	Monochloro-monobromo-methane	Mouse Mouse Mouse	LC_{50} LC_{50} LC_{50}	12. 03±0. 16 13. 25±0. 27 15. 85±0. 71
186	Mustard gas	Dog Dog	LC LC	0. 01 0. 5
187	Nickel carbonyl	Rabbit Cat Dog	LC LC LC	1. 3 2. 8 2. 5
188	Nitroethane (continued on next page)	Guinea pig Guinea pig Rabbit	LC_{100} LC_{50} LC_{100}	92. 1 92. 1 15. 3

Concentration Parts per million	Exposure Time	Time of Death	Reference	
5140 12, 850	Cont Cont	84 min 30 min	Irish, J. Ind. Hyg. Tox. 22:218, 1940. Ibid	169
125	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	170
8000	4 hr		Smyth, unpublished data, Mellon Inst.	171
90, 000	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:223, 1929.	172
3146 75 21, 000-25, 000	7 hr Cont Cont	8 hr 72 hr 2 hr	Von Oettingen, N. I. H. Bull. 191, 1949. White, J. Ind. Hyg. Tox. 13:273, 1931. Nuckolls, Underwriters' Lab. Rpt. 2375, 1933.	173
9000-12, 000	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:223, 1929.	174
16, 000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	175
1000	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	176
50, 000	Cont	20-30min	Schrenk, Pub. Health Rpt. 51:1329, 1936.	177
7000-8000	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:223, 1929.	178
6. 8-68 380-550 740		24 hr 2-2½ hr 1 hr	Bachem, Arch. exp. Path. Pharm. 122:69, 1927. Ibid Ibid	179
10, 000	Cont	15 min	Ljunggren, Acta physiol. scand. 5:248, 1943.	180
13, 500	3 hr	5 hr	Spealman, Indust. Med. 14:292, 1945.	181
4000	4 hr		Smyth, unpublished data, Mellon Inst.	182
4000	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	183
250	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	184
1550 1707 2043	7 hr 7 hr 7 hr	72 hr 24 hr 8 hr	Svirbely, J. Ind. Hyg. Tox. 29:382, 1947. Ibid Ibid	185
1. 0 77	Cont Cont	8 hr 5 min	Marshall, J. Am. Med. Assoc. 73:684, 1919. Ibid	186
180 400 360	50½ min 75½ min 75½ min	69. 2 hr 88. 93 hr	Armit, J. Hygiene 8:565, 1908. Ibid Ibid	187
30, 000 30, 000 5000	1. 25 hr 1 hr 3 hr	24 hr 24 hr 24 hr	Machle, J. Ind. Hyg. Tox. 22:315, 1940. Ibid Ibid	188

	Compound	Animal	Dose	Concentration mg/liter
188	Nitroethane (concluded)	Rabbit Rabbit	LC_{100} LC_{100}	30.6 92.1
189	Nitrogen oxide	Mouse Mouse Guinea pig Cat Cat	LC LC LC LC LC	
190	Nitromethane	Guinea pig Guinea pig Rabbit Rabbit	LC_{100} LC_{100} LC_{100} LC_{100}	25 250 62 250
191	1-Nitropropane	Guinea pig Guinea pig Rabbit Rabbit	LC_{100} LC_{100} LC_{100} LC_{100}	18.2 36.4 18.2 36.4
192	2-Nitropropane	Rat Guinea pig Rabbit Cat	MLC MLC MLC MLC	5.4 16.5 8.5 2.55
193	Nitrous oxide	Rat		2200[1]
194	p-Oxathiane	Rat	LC	34
195	Ozone	Mouse Mouse Mouse Rat Guinea pig Rabbit	LC LC LC LC LC LC	0.04 0.01 0.001 0.03 0.001 0.001
196	Pentaborane	Mouse Rat	LC_{50} LC_{50}	37 50
197	Pentachloroethane	Mouse	MLC	35
198	Pentane	Mouse	LC	377
199	2,4-Pentanedione	Rat	LC_{50}	4.1
200	Pentanone	Guinea pig Guinea pig Guinea pig	LC LC LC	17.6 45.8 176
201	3-Pentene-2-one	Rat	LC_{50}	0.86
202	Phenyldichlorarsine	Guinea pig	LC_{10}*	0.4

/1/ Millimeters pressure.

Concentration Parts per million	Exposure Time	Time of Death	Reference	
10, 000	3 hr	24 hr	Machle, J. Ind. Hyg. Tox. 22:315, 1940.	188
30, 000	1. 25 hr	24 hr	Ibid	
500	Cont	30 min	LaTowsky, J. Ind. Hyg. Tox. 23: 129, 1941.	189
4500	Cont	4-5 min	Ibid	
30, 000	Cont	5-9 min	Ibid	
330	Cont	60 min	Ibid	
2100	Cont	25 min	Ibid	
1000	30 hr	24 hr	Machle, J. Ind. Hyg. Tox. 22:315, 1940.	190
10, 000	6 hr	24 hr	Ibid	
2500	12 hr	24 hr	Ibid	
10, 000	6 hr	24 hr	Ibid	
5000	3 hr	24 hr	Machle, J. Ind. Hyg. Tox. 22:315, 1940.	191
10, 000	3 hr	24 hr	Ibid	
5000	3 hr	24 hr	Ibid	
10, 000	3 hr	24 hr	Ibid	
	4. 5 hr		Treon, Arch. Ind. Hyg. Occ. Med. 5:52, 1952.	192
	5. 5 hr		Ibid	
	4. 5 hr		Ibid	
	4. 5 hr		Ibid	
			Bock, Heffter's Hdb. 1. 1: 132.	193
8000	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	194
20	2 hr	12 hr	Hill, Proc. Roy. Soc., Lond. B 84:404, 1912.	195
5	Cont	5 hr	Konrich, Zschr. Hyg. Infkr. 73:443, 1913.	
0. 5	6 hr	6½ hr	Ibid	
15	3½ hr	12 hr	Hill, Proc. Roy. Soc., Lond. B 84:404, 1912.	
0. 5	Cont	5½ hr	Konrich, Zschr. Hyg. Infkr. 73:443, 1913.	
0. 5	Cont	3½ hr	Ibid	
14	2 hr		Krackow, Arch. Ind. Hyg. Occ. Med. 8:335, 1953.	196
19			Ibid	
4230	2 hr		Lazarew, Arch. exp. Path. Pharm. 141: 19, 1929.	197
128, 200	Cont	37 min	Fühner, Biochem Zschr. 115:235, 1921.	198
1000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	199
5000	810 min	>810 min	Yant, Pub. Health Rpt. 51:392, 1936.	200
13, 000	Cont	300 min	Ibid	
50, 000	Cont	50 min	Ibid	
250	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	201
44	30 min	1-5 da	Dudley, Pub. Health Rpt. 53:338, 1938.	202

	Compound	Animal	Dose	Concentration mg/liter
203	Phosgene	Rat	LC_{50}	0.2-0.3
		Cat	LC	0.05
		Cat	LC	0.1
		Dog	LC	0.3-0.4
204	Phosphine	Frog	LC	83.5-97.4
		Mouse	LC	0.75
		Rat	LC	0.08
		Rat	LC	0.8
		Guinea pig	LC	0.4
		Guinea pig	LC	0.035
		Rabbit	LC	0.035
		Rabbit	LC	0.55
		Rabbit	LC	2.1
		Rabbit	LC	2.2
		Cat	LC	0.07
		Cat	LC	0.21
		Cat	LC	0.55
		Cat	LC	3.5
205	4-Picoline	Rat	LC	7.6
206	Propadiene	Rat	LC	245
207	Propionaldehyde	Rat	LC_{50}	62
		Rat	LC	19
208	Propionitrile	Rat	LC_{50}	1.12
209	2-Propoxyethanol	Rat	LC_{50}	11.3
210	Propylbenzene	Mouse	LC	20
		Rat	LC	116
211	Propylene oxide	Rat	LC	9.5
212	Pyridine	Rat	LC	12.9
213	Sorbaldehyde	Rat	LC	15.7
214	Styrene	Rat	LC_{100}	6.0-6.3
		Rat	LC_{100}	9.3
		Rat	LC_{100}	11.6
		Rat	LC_{100}	23.2
		Guinea pig	LC_{100}	6.0-6.3
		Guinea pig	LC_{100}	9.3
		Guinea pig	LC_{100}	11.6
		Guinea pig	LC_{100}	23.2
215	Sulfur dioxide (continued on next page)	Frog	LC	2.4-3.0

Concentration Parts per million	Exposure Time	Time of Death	Reference	
50-80	30 min	14 da	Spiegel, A. E. C. MDDC-1715. 1948.	203
12.4	20 min		Wirth, Arch. exp. Path. Pharm. 181: 198, 1936.	
24.7	20 min		Ibid	
80-100	30 min	24 hr	Meek, Am. J. Physiol. 51:303, 1920.	
60,000-70,000	Cont	3 hr	Brilliant, Arch. exp. Path. Pharm. 15:439, 1882.	204
540	Cont	35 min	Jokote, Arch. f. Hyg. 49:275, 1904.	
60	Cont	4 hr	Rebmann, Zschr. Gesundhtechn. 25:279, 1933.	
600	Cont	1 hr	Ibid	
300	Cont	2 hr	Ibid	
25	4 hr		Müller, Arch. exp. Path. Pharm. 195: 184, 1940.	
25	4 hr	4 hr	Ibid	
400	30 min	50 min	Jokote, Arch. f. Hyg. 49:275, 1904.	
1500	10 min	10 min	Meissner, Zschr. ges. exp. Med. 42:267, 1924.	
2000	Cont	33 min	Henderson, Dubois' Arch. f. Physiol. 13:109, 1879.	
50	105 min	4-5 hr	Jokote, Arch. f. Hyg. 49:275, 1904.	
150	Cont	160 min	Ibid	
400	30 min	55 min	Ibid	
2500	25 min	51 min	Brilliant, Arch. exp. Path. Pharm. 15:439, 1882.	
2000	4 hr		Smyth, unpublished data, Mellon Inst.	205
150,000	2 hr		Riggs, Proc. Soc. Exp. Biol. Med. 22:269, 1925.	206
	30 min		Skog, Acta pharm. tox. 6:299, 1950.	207
8000	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4: 119, 1951.	
500	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4: 119, 1951.	208
2000	4 hr		Carpenter, J. Ind. Hyg. Tox. 31:343, 1949.	209
4100	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:223, 1929.	210
650,000	Cont	2 hr	Riggs, Proc. Soc. Exp. Biol. Med. 22:269, 1925.	
4000	4 hr		Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	211
4000	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	212
4000	4 hr		Smyth, unpublished data, Mellon Inst.	213
1300	Cont	40 hr	Spencer, J. Ind. Hyg. Tox. 24:295, 1942.	214
2000	Cont	30 hr	Ibid	
2500	Cont	21 hr	Ibid	
5000	Cont	8 hr	Ibid	
1300	Cont	40 hr	Ibid	
2000	Cont	30 hr	Ibid	
2500	Cont	21 hr	Ibid	
5000	Cont	8 hr	Ibid	
820-1150	Cont	Sev hr	Flury, Abderhalden's Hdb. 4. 7b: 1396.	215

	Compound	Animal	Dose	Concentration mg/liter
215	Sulfur dioxide (concluded)	Frog Mouse Mouse Rat	LC LC LC LC	2.6 1.6 2 2.6
216	Sulfuric acid mist	Guinea pig[1] Guinea pig[3]	LC_{50} LC_{50}	50[2] 18[4]
217	1, 1, 1, 2-Tetrachloro-2,2-difluoroethane	Rat	LC	2-3%[5]
218	1, 1, 2, 2-Tetrachloro-1,2-difluoroethane	Rat	LC	3%[6]
219	sym.-Tetrachloroethane	Mouse Mouse	LC MLC	30 40
220	Tetrachloroethylene	Mouse	LC	40
221	Tetraethoxysilane	Rat Guinea pig	LC LC	21.3 21.5
222	Tetrahydrofuran	Mouse Mouse	LC_{50} LC	64.7 90.2
223	Tetranitromethane	Cat Cat	LC LC	0.08 0.8
224	Thiophene	Mouse Mouse	LC LC	20 30
225	Tin hydride	Mouse	LC	1.65
226	Toluene	Mouse Mouse	LC_{50} LC_{50}	19.96±0.3 30-35
227	Tributyl phosphate	Cat Cat	LC LC	23 23
228	Trichloroacrylyl chloride	Mouse Rat Rabbit	LC_{50}* LC_{50} LC_{50}	
229	1, 1, 1-Trichloroethane	Mouse Rat Rat	MLC LC_{50} LC_{50}	65 97.9 82
230	1, 1, 2-Trichloroethane	Mouse	MLC	60
231	Trichloroethylene	Mouse Guinea pig[8] Guinea pig[9] Rabbit	MLC LC LC LC	42 200 200 107.6

/1/ 1½ days old. /2/ 50 mg per cubic meter. /3/ 1-2 months old. /4/ 18 mg per cubic me

Concentration Parts per million	Exposure Time	Time of Death	Reference	
1000	Cont	15-20min	Flury, Abderhalden's Hdb. 4, 7b:1396.	215
400	Cont	5 hr	Ibid	
300	Cont	20 min	Ibid	
1000	Cont		Ibid	
	8 hr		Amdur, Arch. Ind. Hyg. Occ. Med. 5:311, 1952.	216
	8 hr		Ibid	
		1-2.5 hr	Greenberg, Arch. Ind. Hyg. Occ. Med. 2:345, 1950.	217
		40-60min	Greenberg, Arch. Ind. Hyg. Occ. Med. 2:345, 1950.	218
4000	Cont	115 min	Lehmann, Arch. f. Hyg. 116:131, 1936.	219
5850	2 hr		Lazarew, Arch. exp. Path. Pharm. 141:19, 1929.	
5925	2 hr		Lazarew, Arch. exp. Path. Pharm. 141:19, 1929.	220
2500	Cont	4 da	Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	221
2530	Cont	4 hr	Smyth, J. Ind. Hyg. Tox. 22:288, 1940.	
22,000	Cont	109 min	Stoughton, J. Pharm. Exp. Ther. 58:171, 1936.	222
36,700		24 hr	Henderson, J. Pharm. Exp. Ther. 57:394, 1936.	
15	20 min	10 da	Flury, "Schädliche Gase," p417, 1931.	223
100	20 min	1 hr	Ibid	
3800	Cont	30 min	Thieme, Dissert., Würzburg 1935.	224
2700	Cont	30 min*	Ibid	
329	2 hr	15 min[7]	Paneth, Ber. deut. chem. Ges. 57:1925, 1924.	225
3300	7 hr	3 hr	Svirbely, J. Ind. Hyg. Tox. 25:366, 1943.	226
7980-9310	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:123, 1929.	
4125	4 hr	5 hr	Eller, Dissert., Würzburg 1937.	227
4125	2 hr	2 da	Ibid	
145	30 min	1 da	Spiegel, A.E.C. MDDC-1715, 1948.	228
187	30 min	1 da	Ibid	
200	30 min	1-14 da	Ibid	
11,000	2 hr		Lazarew, Arch. exp. Path. Pharm. 141:19, 1929.	229
18,000	3 hr		Adams, Arch. Ind. Hyg. Occ. Med. 1:225, 1950.	
16,000	7 hr		Ibid	
11,000	2 hr		Lazarew, Arch. exp. Path. Pharm. 141:19, 1929.	230
7800	2 hr		Lazarew, Arch. exp. Path. Pharm. 141:19, 1929.	231
37,200	Cont	9-12 min	Landé, Arch. mal. profess. 2:454, 1939.	
37,200	Cont	40 min	Ibid	
20,000	Cont	2 hr	McCord, J. Am. Med. Assoc. 99:409, 1932.	

/5/ 2-3% by volume in air. /6/ 3% by volume in air. /7/ Later. /8/ Young. /9/ Mature.

	Compound	Animal	Dose	Concentration mg/liter
232	Trichlorofluoromethane	Rat	LC	10%[1]
233	1, 2, 3-Trichloropropane	Mouse	LC_{50}	30
234	Trichlorosilane	Rat	LC_{50}	6.7
235	Triethoxymethane	Rat	LC_{50}	24.2
236	Triethylamine	Rat	LC	8.3
237	Vinyl acetate	Rat	LC_{50}	14
238	Vinyl butyrate	Rat	LC_{50}	18.6
239	Vinyl chloride	Mouse Guinea pig	MLC LC	625-750 1024
240	Vinyl ether	Mouse Rat	LC_{50} LC_{50}	146.8 386.5
241	m-Xylene	Mouse	LC	50
242	o-Xylene	Mouse	LC	30
243	p-Xylene	Mouse	LC	15-35

/1/ 10% by volume in air.

Concentration Parts per million	Exposure Time	Time of Death	Reference	
		20-30min	Lester, Arch. Ind. Hyg. Occ. Med. 2:335, 1950.	232
5000	20 min	48 hr	McOmie, Fed. Proc. 8:319, 1949.	233
1000	4 hr	14 da	Smyth, J. Ind. Hyg. Tox. 31:60, 1949.	234
4000	8 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	235
2000	4 hr		Smyth, unpublished data, Mellon Inst.	236
4000	4 hr		Smyth, J. Ind. Hyg. Tox. 30:63, 1948.	237
4000	4 hr		Smyth, Arch. Ind. Hyg. Occ. Med. 4:119, 1951.	238
233,000-280,000 400,000	Cont Cont	10 min 10-20min	Peoples, J. Pharm. Exp. Ther. 48:284, 1933. Yant, Pub. Health Rpt. 45:1963, 1930.	239
51,233 134,888	3 hr	24 hr <3 hr	Molitor, J. Pharm. Exp. Ther. 57:274, 1936. Ibid	240
11,540	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:223, 1929.	241
6920	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:223, 1929.	242
3460-8075	2 hr		Lazarew, Arch. exp. Path. Pharm. 143:223, 1929.	243

BIBLIOGRAPHY ABBREVIATIONS

	ABBREVIATION	FULL TITLE	
		- A -	
1	Abderhalden's Hdb.	Abderhalden, Handbuch der biologischen Arbeitsmethoden	1
2	Acta pharm. tox.	Acta pharmacologica et toxicologica	2
3	Acta physiol. Scand.	Acta physiologica Scandinavica	3
4	Advances Chem.	Advances in Chemistry	4
5	A. E. C. MDDC-1715	Atomic Energy Commission (Report) MDDC-1715	5
6	Am. Chem. J.	American Chemical Journal	6
7	Am. J. Clin. Path.	American (The) Journal of Clinical Pathology	7
8	Am. J. Dig. Dis.	American Journal of Digestive Diseases and Nutrition	8
9	Am. J. Hyg.	American (The) Journal of Hygiene	9
10	Am. J. Med. Sc.	American (The) Journal of the Medical Sciences	10
11	Am. J. Pharm.	American Journal of Pharmacy	11
12	Am. J. Physiol.	American (The) Journal of Physiology	12
13	Am. J. Syph. Neurol.	American Journal of Syphilis and Neurology	13
14	Am. J. Trop. Med.	American (The) Journal of Tropical Medicine	14
15	Am. Rev. Tuberc.	American (The) Review of Tuberculosis	15
16	Anesth. & Analg.	Anesthésie et analgésie	16
17	Anesthesiology	Anesthesiology	17
18	Ann. anat. path.	Annales d'anatomie pathologique medico-chirurgicale	18
19	Ann. Int. M.	Annals of Internal Medicine	19
20	Ann. N. Y. Acad. Sci.	Annals of the New York Academy of Sciences	20
21	Ann. physiol., Par.	Annales de physiologie et de physicochimie biologique, Paris	21
22	Ann. Trop. Med. Parasitol.	Annals of Tropical Medicine and Parasitology	22
23	Antibiotics	Antibiotics	23
24	Arb. pharm. Inst., Dorpat.	Arbeiten aus dem pharmakologischen Institut, Dorpat	24
25	Arch. Anat. Physiol.	Archiv für Anatomie und Physiologie	25
26	Arch. Derm. Syph.	Archives of Dermatology and Syphilology	26
27	Arch. exp. Path. Pharm.	Archiv für experimentelle Pathologie und Pharmakologie	27
28	Arch. f. Derm. Syph.	Archiv für Dermatologie und Syphilis	28
29	Arch. f. Hyg.	Archiv für Hygiene	29
30	Arch. farm. sper.	Archivio di farmacologia sperimentale e scienze affini	30
31	Arch. farm. terap.	Archivio di farmacologia e terapeutica	31
32	Arch. ges. Physiol.	Archiv (Pflüger's) für die gesamte Physiologie des Menschen und der Tiere	32
33	Arch. Gewerbepath.	Archiv für Gewerbepathologie und Gewerbehygiene	33
34	Arch. Hyg.	Archiv für Hygiene und Bacteriologie, München	34
35	Arch. Int. Med.	Archives of Internal Medicine	35

	ABBREVIATIONS	FULL TITLE	
36	Arch. Ind. Hyg. Occ. Med.	Archives of Industrial Hygiene and Occupational Medicine	36
37	Arch. int. pharmacod.	Archives internationales de pharmacodynamie et de thérapie	37
38	Arch. ital. biol.	Archives italiennes de biologie	38
39	Arch. ital. sc. farm.	Archivio italiano di scienze farmacologiche	39
40	Arch. ital. urol.	Archivio italiano di urologia	40
41	Arch. mal. profess.	Archives des maladies professionelles; hygiene et toxicologie industrielles	41
42	Arch. méd. exp., Par.	Archives de médecine expérimentale et d'anatomie pathologique, Paris	42
43	Arch. Path.	Archives of Pathology	43
44	Arch. path. Anat.	Archiv für pathologische Anatomie und Physiologie, und für klinische Medizin	44
45	Arch. sc. biol., Bologna	Archivio di scienze biologiche, Bologna	45
46	Arch. sc. biol., St. Petersburg	Archives des sciences biologiques, St. Petersburg	46
47	Arch. Schiffs Tropenhyg.	Archiv für Schiffs- und Tropenhygiene, Pathologie und Therapie exotischer Krankheiten	47
48	Arch. soc. biol., Montevideo	Archivos de la Sociedad de biologia de Montevideo	48
49	Arch. Surg.	Archives of Surgery	49
50	Arztl. Forsch	Arztlische Forschung	50
51	Arzneimittelforsch.	Arzneimittelforschung	51
52	Austral. J. Exp. Biol.	Australian Journal of Experimental Biology and Medical Science	52
		- B -	
53	Barke, Dissert.	Barke, Dissertation	53
54	Ber. deut. chem. Ges.	Berichte deutsche chemische Gesellschaft	54
55	Ber. Phys. Med. Ges.	Berichte der Physikalisch-medizinischen Gesellschaft zu Würzburg	55
56	Berl. klin. Wschr.	Berliner klinische Wochenschrift	56
57	Bierwag, Dissert.	Bierwag, Dissertation	57
58	Biochem. J.	Biochemical Journal	58
59	Biochem. Zschr.	Biochemische Zeitschrift	59
60	Boll. soc. ital. biol. sper.	Bollettino della Società di biologia sperimentale	60
61	Bong, Dissert.	Bong, Dissertation	61
62	Boruttau, Dissert.	Boruttau, Dissertation	62
63	Bovet & Bovet-Nitti	Bovet, D. and Bovet-Nitti, F., "Médicaments du Système Nerveux Végétatif," S. Karger: New York, 1948	63
64	Boyce Thompson Inst.	Boyce Thompson Institute	64
65	Brit. J. Anaesth.	British Journal of Anaesthesia	65
66	Brit. J. Exp. Path.	British (The) Journal of Experimental Pathology	66
67	Brit. J. Indust. M.	British Journal of Industrial Medicine	67
68	Brit. J. Pharm.	British Journal of Pharmacology and Chemotherapy	68
69	Brit. J. Radiol.	British Journal of Radiology	69
70	Brit. Med. J.	British (The) Medical Journal	70

	ABBREVIATIONS	FULL TITLE	
71	Bull. Acad. méd., Par.	Bulletin de l'Academie de médecine, Paris	71
72	Bull. Acad. Suisse sci. méd.	Bulletin der Zchweizerischen Akadamie der Medizinischen Wissenschaften (Tri-lingual)	72
73	Bull. Johns Hopkins Hosp.	Bulletin of the Johns Hopkins Hospital	73
74	Bull. sc. pharm.	Bulletin des sciences pharmacologiques, Paris	74
75	Bull. Soc. chim. biol.	Bulletin de la Société de chimie biologique, Paris	75
		- C -	
76	C. rend. Acad. sc.	Comptes rendus hebdomadaires des séances de l'Academie des sciences, Paris	76
77	C. rend. Soc. biol.	Comptes rendus des séances de la Société de biologie	77
78	Canad. Pub. Health J.	Canadian Public Health Journal	78
79	Cancer	Cancer	79
80	Cazeneuve & Lépine	Cazeneuve and Lépine (unpublished (?) data)	80
81	Chem. Absts.	Chemical Abstracts	81
82	Chem. Biol. Coord. Ctr. Rev.	Chemical-Biological Coordination Center Review (National Research Council)	82
83	Chem. Corps Med. Lab. Rpt.	Chemical Corps Medical Laboratory Report (U. S. Army)	83
84	Chem. Indust.	Chemical Industries	84
85	Chem. Zbl.	Chemisches Zentralblatt	85
86	Chicago Med. School Q.	Chicago Medical School Quarterly	86
87	Clin. med. ital.	Clinica (La) medica italiana	87
88	Current Res. Anes.	Current Researches in Anesthesia and Analgesia	88
89		- D -	
89	Deut. med. Wschr.	Deutsche medizinische Wochenschrift	89
90	Deut. Zschr. ger. Med.	Deutsche Zeitschrift für die gesamte gerichtliche Medizin	90
91	Distler, Dissert.	Distler, Dissertation	91
92	Div. Pharm. F. & D. Adm. Q. Rpt.	Division of Pharmacology, Food and Drug Administration Quarterly Report	92
93	Dubois' Arch. f. Physiol.	Dubois' Archiv für Anatomie und Physiologie	93
94	Dubois' Arch. f. Physiol. Suppl.	Dubois' Archiv für Anatomie und Physiologie Supplement	94
95		- E, F, G -	
95	Eller, Dissert.	Eller, Dissertation	95
96	Endocrinology	Endocrinology	96
97	Exp. Med. Surg.	Experimental Medicine and Surgery	97
98	Falkenburg, Dissert.	Falkenburg, Dissertation	98
99	Fed. Proc.	Federation Proceedings (Federation of American Societies for Experimental Biology)	99
100	Fiegenbaum, Dissert.	Fiegenbaum, Dissertation	100

	ABBREVIATIONS	FULL TITLE	
101	Flury, "Schädliche Gase"	Flury, F., "Schädliche Gase," Springer: Berlin, 1931	101
102	Food Technology	Food Technology	102
103	Gréhant, "L'Oxyde de Carbone"	Gréhant, N., "Hygiene Expérimentale: L'Oxyde de Carbone," Gauthier-Villars: Paris, 1903	103
	- H -		
104	Hadra, Dissert.	Hadra, Dissertation	104
105	Health Haz. Mil. Chem.	Health Hazards of Military Chemicals	105
106	Heffter's Hdb.	Heffter's Handbuch der experimentelle Pharmakologie	106
107	Heyroth and Diechmann	Heyroth, F.F. and Deichmann, W. B. (Unpublished data)	107
108	Hofbauer, Dissert.	Hofbauer, Dissertation	108
109	Hyg. Lab. Bull.	Hygienic Laboratory Bulletin	109
	- I -		
110	Ind. J. M. Res.	Indian (The) Journal of Medical Research	110
111	Indust. Med.	Industrial Medicine	111
112	Ind. Med. Hyg.	Industrial Medicine, Industrial Hygiene Section	112
113	Indust. Engin. Chem.	Industrial and Engineering Chemistry	113
114	Int. J. Leprosy	International Journal of Leprosy	114
	- J -		
115	J. Am. Chem. Soc.	Journal of the American Chemical Society	115
116	J. Am. Med. Assoc.	Journal (The) of the American Medical Association	116
117	J. Am. Pharm. Assoc.	Journal of the American Pharmaceutical Association	117
118	J. Am. Vet. M. Assoc.	Journal of the American Veterinary Medical Association	118
119	J. Am. Water Works Assoc.	Journal; American Water Works Association	119
120	J. Biol. Chem.	Journal (The) of Biological Chemistry	120
121	J. Clin. Invest.	Journal (The) of Clinical Investigation	121
122	J. Comp. Path.	Journal (The) of Comparative Pathology and Therapeutics	122
123	J. Dent. Res.	Journal (The) of Dental Research	123
124	J. Econ. Entomol.	Journal (The) of Economic Entomology	124
125	J. Exp. Med.	Journal (The) of Experimental Medicine	125
126	J. Fish. Res. Board Can.	Journal of the Fisheries Research Board of Canada	126
127	J. Hygiene	Journal (The) of Hygiene	127
128	J. Ind. Hyg.	Journal (The) of Industrial Hygiene	128
129	J. Ind. Hyg. Tox.	Journal (The) of Hygiene and Toxicology	129
130	J. Lab. Clin. Med.	Journal (The) of Laboratory and Clinical Medicine	130
131	J. Path. Bact.	Journal (The) of Pathology and Bacteriology, London	131
132	J. pharm. chim.	Journal de pharmacie et de chimie, Paris	132

	ABBREVIATIONS	FULL TITLE	
133	J. Pharm. Exp. Ther.	Journal (The) of Pharmacology and Experimental Therapeutics	133
134	J. physiol., Par.	Journal de physiologie, Paris	134
135	J. Physiol.	Journal of Physiology, London	135
136	J. physiol. path. gén.	Journal de physiologie et de pathologie générale	136
137	J. Urol.	Journal (The) of Urology	137
138	Jap. J. M. Sc., IV Pharm.	Japanese Journal of Medical Sciences, IV Pharmacology	138
139			
	- K, L -		
139	Kazansky Med. Zhur.	Kazansky Meditsinsky Zhurnal	139
140	Kemp, Dissert.	Kemp, Dissertation	140
141	Klimmer, Dissert.	Klimmer, Dissertation	141
142	Klin. Wschr.	Klinische Wochenschrift	142
143	Kuhls, Dissert.	Kuhls, Dissertation	143
144	Lagier, Thèse	Lagier, Dissertation	144
145	Lancet	Lancet	145
146	Langer, Dissert.	Langer, Dissertation	146
147	Laubenheimer, "Phenol u. s. Derivate"	Laubenheimer, K., "Phenol und seine Derivate als Desinfektionsmittel," Urban und Schwarzenberg: Berlin, 1909	147
148	Leber, Dissert.	Leber, Dissertation	148
149	Lehman, pers. comm.	Lehman, Arnold J. (personal communication)	149
150	Lehmann and Flury, "Industrial Solvents"	Lehmann, K. B., and Flury, F., "Toxicology and Hygiene of Industrial Solvents," Williams and Wilkins: Baltimore, 1943	150
151	Lehrb. Arb. u. Gewerb. Hyg.	"Kurzes Lehrbuch der Arbeits- und Gewerbehygiene," S. Hirzel: Leipzig, 1919	151
152	Luig, Dissert.	Luig, Dissertation	152
	- M, N, O -		
153	Med. Klin., Berl.	Medizinische Klinik, Berlin	153
154	Med. Res. Council, Sp. Rpt.		154
155	Med. u. Chem., Berl.	Medizin und Chemie, Berlin	155
156	Mellon Inst., unpublished data	Mellon Institute, Philadelphia	156
157	Merck Report	Merck & Co., Inc., Rahway, N. J.	157
158	Munch. med. Wschr.	Münchener medizinische Wochenschrift	158
159	N. I. H. Bull.	National Institute of Health Bulletin	159
160	N. M. R. Proj.	Naval Medical Research Institute Project	160
161	North Am. Aviation Rpt.	North American Aviation Report (North American Aviation Co.)	161
162	Nucl. Sci. Abstr.	Nuclear Science Abstracts	162
163	Ottnat, Dissert.	Ottnat, Dissertation	163
	- P -		
164	Pers. comm., Food and Drug Ådm.	Personal communication, Food and Drug Administration	164
165	Pers. comm., Scandoz Chem. Works	Personal communication, Scandoz Chemical Works	165

	ABBREVIATION	FULL TITLE	
166	Philos. Tr. Roy. Soc. Lond.	Philosophical Transactions of the Royal Society of London	166
167	Physiol. Rev.	Physiological Review	167
168	Prensa Méd. Arg.	Prensa (La) Médica Argentina	168
169	Presse Méd.	Presse (La) Médicale	169
170	Proc. 9th Int. Congr. Acc. Med.	Proceedings of the 9th International Congress for Accidental and Occupational Medicine, London, 1948	170
171	Proc. Pharm. Soc. Fall Meet.	Proceedings, American (The) Society for Pharmacology and Experimental Therapeutics, Fall Meeting	171
172	Proc. Roy. Soc. London.	Proceedings of the Royal Society of London	172
173	Proc. Soc. Exp. Biol. Med.	Proceedings of the Society for Experimental Biology and Medicine	173
174	Pub. Health Bull.	Public Health Bulletin	174
175	Pub. Health Rpt.	Public Health Report	175
		- Q -	
176	Q. Bull. Assoc. F. & D. Off.	Quarterly Bulletin of the Association of Food and Drug Officials of the United States	176
177	Q. Bull. Sea View Hosp.	Quarterly Bulletin of the Sea View Hospital	177
178	Q. J. Exp. Physiol.	Quarterly Journal of Experimental Physiology	178
179	Q. J. Pharm. Pharmacol.	Quarterly Journal of Pharmacy and Pharmacology, London	179
		- R, S -	
180	Rec. Trav. Chim. Pays-Bas	Recueil des travaux chimiques des Pays-Bas	180
181	Reuss, Dissert.	Reuss, Dissertation	181
182	Rev. Asoc. méd. argent.	Revista de la Asociación médica argentina	182
183	Rev. de méd.	Revue de médecine, Paris	183
184	Rev. méd. Suisse rom.	Revue médicale de la Suisse romande	184
185	Report from Squibb & Son	Report from Squibb and Son (E. R. Squibb and Son)	185
186	Rpt. Army Chem. Ctr.	Report of (the) Army Chemical Center (U. S. Army)	186
187	Rpt. Chemother. Leukemia, So. Res. Inst.	Report on the Chemotherapy of Leukemia, Southern Research Institute Birmingham	187
188	Schulz, Dissert.	Schulz, Dissertation	188
189	Schwartau, Dissert.	Schwartau, Dissertation	189
190	Schweiz. med. Wschr.	Schweizerische medizinische Wochenschrift	190
191	Science	Science	191
192	Skand. Arch. Physiol.	Skandinavisches Archiv für Physiologie	192
193	Sollman & Hanzlik, "Experimental Pharmacology"	Sollmann, T. H., and Hanzlik, P. J., "Fundamentals of Experimental Pharmacology," 2nd ed., Stacey: San Francisco, 1940.	193
194	Starrek, Dissert.	Starrek, Dissertation	194

	ABBREVIATION	FULL TITLE	
195	Summ. Rpt. Med. Div. Army Chem. Ctr. Md.	Summary Report, Medical Division, Army Chemical Center (U. S. Army)	195
196	Surg. Gyn. Obst.	Surgery, Gynecology and Obstetrics	196
		- T -	
197	Tab. Biol.	Tabulae Biologicae	197
198	Therap. Monatsh.	Therapeutische Monatshefte	198
199	Therap. Umschau	Therapeutische Umschau und medizinische Bibliographie	199
200	Thérapie	Thérapie, Paris	200
201	Thieme, Dissert.	Thieme, Dissertation	201
202	Tierchem.	Jahresbericht über die Fortschritte der Tier-chemie, oder der physiologischen und pathologischen Chemie	202
203	Tohoku J. E. M.	Tohoku Journal of Experimental Medicine	203
204	Toxikologie	Toxikologie	204
205	Tr. R. Soc., Edinburgh	Transactions of the Royal Society of Edinburgh	205
		- U, V, W -	
206	Underwriters' Lab. Rpt.	Underwriters' Laboratory Report	206
207	U. of Chicago Toxic. Lab. Rpt.	University of Chicago Toxicity Laboratory Report	207
208	U. S. Bur. Plant Ind. Bull.	U. S. Bureau of Plant Industry, Soils and Agricultural Engineering Bulletin	208
209	U. S. Dept. Agr. Bull.	U. S. Department of Agriculture Bulletin	209
210	Univ. Cal. Publ. Pharmacol.	University of California Publications in Pharmacology	210
211	Voegtlin and Hodge	Voegtlin and Hodge, "Pharmacology and Toxicology of Uranium Compounds," McGraw Hill: New York, 1949	211
212	Von Engelhardt, Dissert.	Von Engelhardt, Dissertation	212
213	Wien. med. Wschr.	Wiener medizinische Wochenschrift	213
214	Winthrop Chem. Corp.	Winthrop Chemical Corporation	214
		- Z -	
215	Zbl. Chir.	Zentralblatt für Chirurgie	215
216	Zbl. Gewerbehyg.	Zentralblatt für Gewerbehygiene und Unfallverhutüng	216
217	Zbl. med. Wiss.	Zentralblatt für des medizinische Wissenschafte	217
218	Zschr. Biol.	Zeitschrift für Biologie	218
219	Zschr. exp. Path. Ther.	Zeitschrift für experimentelle Pathologie und Therapie	219
220	Zschr. f. Path., Frankfurt	Zeitschrift für Pathologie, Frankfurt	220
221	Zschr. Hyg. Infkr.	Zeitschrift für Hygiene und Infektionskrankheiten	221
222	Zschr. klin. Med.	Zeitschrift für klinische Medizin	222
223	Zschr. ges. exp. Med.	Zeitschrift für die gesamte experimentelle Medizin	223
224	Zschr. Gesundhtechn.	Zeitschrift für Gesundheitstechnik und Städtehygiene	224
225	Zschr. Immunitätsforsch.	Zeitschrift für Immunitätsforschung und experimentelle Therapie	225

	ABBREVIATION	FULL TITLE	
226	Zschr. physiol. Chem.	Zeitschrift für physiologische Chemie (Hoppeseyler's)	226
227	14th Congr. Ind. Chem.	14th Congress on Industrial Chemistry	227
228	116th Meet. Am. Chem. Soc.	116th Meeting of the American Chemical Society	228

INDEX

Index

Compounds or substances appearing in this volume are listed here in alphabetical order. In addition, commonly used alternate names or designations and synonyms, as well as some proprietary and, where available, official names, have been included so that this listing may also serve as a cross index. Time and space disallowed complete utilization of the nomenclature system recommended by "Chemical Abstracts." Therefore, it is entirely possible that a few compounds may appear in the tables in more than one place under different names. It has been impossible for the editor to catch all of these minor discrepancies.

It will be noticed that names which begin with prefixes, such as Di or Bis-, are alphabetized under D or B respectively. Greek letters, p-, o-, m-, and designation numbers have been disregarded in primary alphabetization but have been considered secondarily, e.g., β-Acetyldigoxin appears in the A group but follows α-Acetyldigoxin.

A name appearing by itself (i.e., not followed by another in parentheses) in the index appears as such in the table. A name followed by another name in parentheses in the index appears in the table as the parenthetical name. All substances listed in the tables have item numbers so that each name in the index is followed by an underlined number - the item number - separated by a colon from a second number - the page number. When two sets of numbers appear, separated by a semi-colon, the first set refers to the substance as a solid or liquid in Table I, and the second set refers to the substance as a gas in Table II. As examples: ACETIC OXIDE, (ACETIC ANHYDRIDE) 21:8; 3:322. Acetic oxide is listed as acetic anhydride, item 21 on page 8 (Table I) and item 3 on page 322 (Table II). ACETANILIDE, 16:6. Acetanilide is found as item 16 on page 6.

ABIGUANIL, (SULFAGUANIDINE) 1898:288.
ABOBIOSIDE, 1:6.
ABOMONOSIDE, 2:6.
ABRODIL, (SKIODAN) 1787:268.
ABSTINYL, (ANTABUSE) 158:26.
ACECOLINE, (ACETYLCHOLINE CHLORIDE) 36:10.
ACETAL, 3:6; 1:322.
ACETALDEHYDE, 4:6; 2:322.
ACETALDEHYDE DIETHYL ACETAL, (ACETAL) 3:6; 1:322.
ACETALDOL, (ALDOL) 63:14.
ACETAMIDE, 5:6.
p-ACETAMINOBENZALDEHYDETHIOSEMICARBAZONE, 6:6.
1-ACETAMINOCARBAZOLE, 7:6.
2-ACETAMINOCARBAZOLE, 8:6.
3-ACETAMINOCARBAZOLE, 9:6.
2-ACETAMINODIBENZOFURAN, 10:6.
3-ACETAMINODIBENZOTHIOPHENE, 11:6.
3-ACETAMINO-9-METHYLCARBAZOLE, 12:6.
p-ACETAMINOPHENOL, 13:6.
1-ACETAMINO-5, 6, 7, 8-TETRAHYDROCARBAZOLE, 14:6.
3-ACETAMINO-5, 6, 7, 8-TETRAHYDROCARBAZOLE, 15:6.
ACETANILIDE, 16:6.
ACETARSONE, 17:6, 8.
ACETIC ACID, 18:8.
ACETIC ACID BUTYL ESTER, 19:8.
ACETIC ACID ISOPROPYL ESTER, 20:8.
ACETIC ALDEHYDE, (ACETALDEHYDE) 4:6; 2:322.
ACETIC ANHYDRIDE, 21:8; 3:322.
ACETIC ETHER, (ETHYL ACETATE) 848:130; 108:336.
ACETIC OXIDE, (ACETIC ANHYDRIDE) 21:8; 3:322.
ACETIN, (MONACETIN) 1392:204.
ACETONE, 22:8; 4:322.
ACETONE CYANOHYDRIN, 23:8.
ACETONITRILE, 24:8.
ACETONYLACETONE, (2, 5-HEXANEDIONE) 139:338.
3-(α-ACETONYLBENZYL)-4-HYDROXYCOUMARIN, (WARFARIN) 2095:314.
p-ACETOPHENETIDE, (PHENACETIN) 1521:228.
p-ACETOPHENETIDIN, (PHENACETIN) 1521:228.
ACETOPHENETIDINE, (PHENACETIN) 1521:228.
ACETOPHENONE, 25:8.
ACETOPHENONE-4-METHOXY-3-METHYL, 26:8.
2-ACETOXYBENZOIC ACID, (ACETYLSALICYLIC ACID) 43:10.
o-ACETOXYCINNAMIC ACID, 27:8.
3-ACETOXY-6-DIMETHYLAMINO-4, 4-DIPHENYLHEPTANE, 28:8.
3-ACETOXY-6-DIMETHYLAMINO-4, 4-DIPHENYL-5-METHYLHEXANE, 29:8.
1-ACETOXY-3-DIMETHYLAMINO-1, 1-DIPHENYL-2-METHYLPROPANE, 30:8.
2-(ACETOXY-3, 5-DIMETHYLPHENYL)TRIMETHYLAMMONIUM IODIDE, 31:8.
(3-ACETOXYPHENYL)METHYLDIETHYLAMMONIUM IODIDE, 32:10.
(3-ACETOXYPHENYL)TRIMETHYLAMMONIUM BROMIDE, 33:10.
(3-ACETOXYPHENYL)TRIMETHYLAMMONIUM IODIDE, 34:10.
(2-ACETOXYPROPYL)TRIMETHYLAMMONIUM CHLORIDE, (MECHOLYL HCl) 1226:184.
ACET-p-PHENETIDIN, (PHENACETIN) 1521:228.
ACET-THEOCIN SODIUM, (THEOPHYLLINE SODIUM ACETATE) 1963:296.
ACETYLACETONE, (2, 4-PENTANEDIONE) 199:346.
ACETYLAMINOHYDROXYPHENYLARSONIC ACID, (ACETARSONE) 17:6, 8.
3-ACETYLAMINO-4-HYDROXYPHENYL-1-ARSONIC ACID, (ACETARSONE) 17:6, 8.
ACETYL-p-AMINOPHENOL, (p-ACETAMINOPHENOL) 13:6.
p-ACETYLAMINOPHENOL, (p-ACETAMINOPHENOL) 13:6.
ACETYLBENZENE, (ACETOPHENONE) 25:8.
ACETYLCHOLINE, 35:10.
ACETYLCHOLINE, "reversed carboxyl analogue" of, (METHYL-(β-TRIMETHYLAMMONIUM)PROPIONATE) 1381:202.
ACETYLCHOLINE CHLORIDE, 36:10.
α-ACETYLDIGITOXIN, 37:10.
β-ACETYLDIGITOXIN, 38:10.
α-ACETYLDIGOXIN, 39:10.
β-ACETYLDIGOXIN, 40:10.
ACETYLENE, 5:322.
ACETYLENE TETRABROMIDE, (sym.-TETRABROMOETHANE) 1928:290.
ACETYLENE TETRACHLORIDE, (sym.-TETRACHLOROETHANE) 1929:290; 219:350.
ACETYLMETHADOL, 41:10.
ACETYL-β-METHYLCHOLINE CHLORIDE, (MECHOLYL HCl) 1226:184.
o-ACETYL-β-METHYLCHOLINE CHLORIDE, (MECHOLYL HCl) 1226:184.

3-ACETYL-6-METHYL-1,2-PYRAN-2,4(3H)-DIONE (DEHYDROACETIC ACID) 529:88.
ACETYL OXIDE, (ACETIC ANHYDRIDE) 21:8; 3:322.
α-ACETYLOXYPROPIONYL-K-STROPHANTHIDIN, 42:10.
ACETYLSALICYLIC ACID, 43:10.
ACETYL-K-STROPHANTHIDIN, 44:10.
N^1-ACETYLSULFANILAMIDE, (SULFACETIMIDE) 1896:288.
ACETYLTANGHININ, 45:10.
ACOIN, 46:10.
ACOLONGIFLOROSIDE E, 47:10.
ACONITINE, (AMORPHOUS) 48:12.
ACONITINE (CRYSTALLINE) 49:12.
ACONITINE (LAPP) 50:12.
ACRALDEHYDE, (ACROLEIN) 54:12; 6:322.
ACRIDAN, 51:12.
ACRIDINE, 52:12.
ACRIFLAVINE, 53:12.
ACROLEIN, 54:12; 6:322.
ACRYLALDEHYDE, (ACROLEIN) 54:12; 6:322.
ACRYLIC ACID, 55:12.
ACRYLIC ALDEHYDE, (ACROLEIN) 54:12; 6:322.
ACRYLONITRILE, 56:12; 7:322.
ACTIDIONE, 57:12.
ADALIN, 58:14.
ADANON HCl, (DL-METHADONE HCl) 1244:186.
ADENINE, 59:14.
ADERMINE, (PYRIDOXINE) 1694:252.
ADONIDIN, 60:14.
ADRENALIN(E), (EPINEPHRINE) 808:124, 126.
AGARIC ACID, (AGARICIC ACID) 61:14.
AGARICIC ACID, 61:14.
AGARICIN, (AGARICIC ACID) 61:14.
AGERITE, (ALBA) (AGERITE, (WHITE)) 62:14.
AGERITE (WHITE), 62:14.
AH-42, (HISTADYL BASE) 1037:158.
ALBUCID, (SULFACETIMIDE) 1896:288.
"ALDEHYDE", (ACETALDEHYDE) 4:6; 2:322.
ALDOL, 63:14.
ALDRIN, 64:14.
ALEPOL, (SODIUM HYDNOCARPATE) 1819:274.
ALEUDRINE, (N-ISOPROPYLADRENALINE) 1139:170.
ALEURIN, 65:14.
ALKENYLDIMETHYLETHYLAMMONIUM BROMIDE, (ONYXIDE) 1477:218.
ALKRON, (PARATHION) 1494:222.
ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE, (ROCCAL) 1740:260.
ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDES, mixture of (ZEPHIRAN CHLORIDE) 2107:316.
ALKYLDIMETHYL-3,4-DICHLOROBENZYL-AMMONIUM CHLORIDE, (TETROSAN) 1953:294.
ALKYLMERCURIC CHLORIDE, 66:14.
ALLENE, (PROPADIENE) 206:348.
ALLETHRIN, 67:14.
ALLOXAN, 68:14.
ALLYL ACETATE, 69:14; 8:322.
ALLYL ALCOHOL, 70:14; 9:322.
ALLYLARSINIC ACID, 71:16.
ALLYL-BIS-(β-CHLOROETHYL)AMINOETHYL-SULFONE, 72:16.
ALLYL CHLORIDE, 10:322.
ALLYLCINERIN, (ALLETHRIN) 67:14.
ALLYLCYCLOHEXYLPROPIONATE, 73:16.
1-ALLYL-2,5-DIMETHOXY-3,4-METHYLENE-DIOXYBENZENE, (APIOL) 176:30.
ALLYLENE, 11:322.
ALLYL ETHER, (DIALLYL ETHER) 546:90.
ALLYLGLYCERYL ETHER, 74:16.
ALLYLGUIACOL, (EUGENOL) 921:140.
ALLYLISOPROPYLACETYLCARBAMIDE, (SEDORMID) 1782:266.
ALLYLISOPROPYLACETYLUREA, (SEDORMID) 1782:266.
5-ALLYL-5-ISOPROPYLBARBITURIC ACID, (NUMAL) 1460:216.
1-ALLYL-3-METHOXY-4,5-METHYLENEDIOXIDE BENZENE, (MYRISTICIN) 1408:208.
4-ALLYL-2-METHOXYPHENOL, (EUGENOL) 921:140.
4-ALLYL-1,2-METHYLENEDIOXYBENZENE, (SAFROLE) 1749:262.
3-ALLYLOXY-1,2-PROPANDIOL, 75:16.
ALLYLTHEOBROMINE, 76:16.
ALLYL THIOUREA, (THIOSINAMINE) 1975:298.
1-ALLYL-2-THIOUREA, (THIOSINAMINE) 1975:298.
ALPHANAPHTHOL, (α-NAPHTHOL) 1412:208.
ALPHAPRODINE HCl, (NISENTIL HCl) 1442:214.
ALUMINON, (AURIN TRICARBOXYLIC ACID) 197:34.
ALUMINUM CHLORIDE, 77:16.
ALUMINUM NITRATE, 78:16.
ALURATE, (NUMAL) 1460:216.
ALYPIN, 79:16.
AMABEVAN, (CARBARSONE) 364:58.
AMANITINE, (CHOLINE) 434:70.
AMBER ACID, (SUCCINIC ACID) 1892:286.
AMBOSIDE, 80:16.
AMEBAN, (CARBARSONE) 364:58.
AMETHOCAINE HCl, (PANTOCAINE) 1487:220.
AMICARDINE, (VISAMMIN) 2088:314.
AMIDON HCl (DL-METHADONE HCl) 1244:186.
AMIDOPYRINE, (AMINOPYRINE) 118:20.
AMIDOSULFONIC ACID, (SULFAMIC ACID) 1900:288.
AMIDRINE, 81:16; also see 1276:190 (2-METHYL-6-AMINOHEPTANE)
AMIDRYL, (BENADRYL) 220:38, 40.
AMINICOTIN, (NICOTINAMIDE) 1434:212.
p-AMINOACETOPHENONE, 82:16.
AMINOACRIDINE HCl, 83:16.
9-AMINOACRIDINE PENICILLIN, 84:16.
6-AMINO-2-AMINOBENZOTHIAZOLE, 85:16.
2-AMINO-4-ARSENOSOPHENOL HCl, (MAPHARSEN) 1224:182.
p-AMINOBENZALDEHYDE, 86:16.
AMINOBENZENE, (ANILINE) 153:26; 15:324.
p-AMINOBENZENESULFONACETAMIDE, (SULFACETIMIDE) 1896:288.
p-AMINOBENZENESULFONAMIDE, (SULFANILAMIDE) 1901:288.
4-AMINOBENZENESULFONAMIDE, (SULFANILAMIDE) 1901:288.
2-AMINOBENZIMIDAZOLE, 87:16.
p-AMINOBENZOIC ACID, 88:18.
p-AMINOBENZOIC ACID, 2-DIETHYLAMINO - ethyl ester of, (PROCAINE) 1652:244, 246.
2-AMINOBENZOTHIAZOLE, 89:18.
2-AMINOBENZOXAZOLE, 90:18.
2-(p-AMINOBENZOXY)-1-n-AMYLAMINOETHANE HCl, (STOVAINE) 1874:282.
3-(p-AMINOBENZOXY)-1-di-n-BUTYLAMINO-PROPANE SULFATE, (BUTYN SULFATE) 343:54.
(3-p-AMINOBENZOXYPHENYL)TRIMETHYL-AMMONIUM BROMIDE, 91:18.
p-AMINOBENZOYLDIETHYLAMINOETHANOL, (PROCAINE) 1652:244, 246.
p-AMINOBENZOYLDIISOPROPYLAMINOETHANOL HCl, (ISOCAINE) 1124:170.
p-AMINOBENZOYLDIMETHYLAMINO-1,2-DIMETHYL-PROPANOL HCl, (TUTOCAINE HCl) 2050:308.
1-AMINOBENZOYL-2,2-DIMETHYL-3-DIETHYL-AMINOPROPANOL HCl, (LAROCAINE) 1170:174.
AMINOBUTANE, (n-BUTYLAMINE) 320:52.

3-AMINO-9-n-BUTYLCARBAZOLE HCl, 92:18.
2-AMINOCARBAZOLE HCl, 93:18.
3-AMINOCARBAZOLE HCl, 94:18.
AMINOCYCLOHEXANE, (CYCLOHEXYLAMINE) 506:82.
AMINODIMETHYLAMINOTOLUAMINOZINE HCl, (NEUTRAL RED) 1430:212.
AMINODIMETHYLBENZENE, (XYLIDINE) 2100:314.
AMINOETHANE, (ETHYLAMINE) 851:132.
2-AMINOETHANOL, 95:18.
2-AMINOETHOXYETHANOL, 96:18.
2-AMINO-3-ETHOXY-5, 6, 7, 8-TETRAHYDROCARBAZOLE HCl, 97:18.
β-AMINOETHYLBENZENE, (PHENYLETHYLAMINE) 1562:232.
α-(1-AMINOETHYL)BENZYL ALCOHOL, (PROPADRINE) 1656:246.
3-AMINO-9-ETHYLCARBAZOLE HCl, 98:18.
AMINOETHYLETHANDIAMINE, 99:18.
β-AMINOETHYLGLYOXALINE, (HISTAMINE) 1038:158.
β-AMINOETHYLIMIDAZOLE, (HISTAMINE) 1038:158.
N-AMINOETHYLMORPHOLINE, 100:18.
1-AMINO-9-ETHYL-5, 6, 7, 8-TETRAHYDROCARBAZOLE HCl, 101:18.
3-AMINO-9-ETHYL-5, 6, 7, 8-TETRAHYDROCARBAZOLE HCl, 102:18.
AMINOFORMAMIDINE, (GUANIDINE) 989:152.
3-AMINO-5, 6, 7, 8, 12, 13-HEXAHYDROCARBAZOLE HCl, 103:18.
2-AMINOHYDROXYBENZENE, (o-AMINOPHENOL) 109:20.
4-AMINO-1-HYDROXYBENZENE, (p-AMINOPHENOL) 110:20.
3-AMINO-4-HYDROXYPHENYLARSINOXIDE HCl, (MAPHARSEN) 1224:182.
3-AMINO-4-HYDROXYPHENYLDICHLORARSINE HCl, (CHLOROARSEN) 404:66.
AMINOMETHANAMIDINE, (GUANIDINE) 989:152.
AMINOMETHANE, (METHYLAMINE) 1268:190.
3-AMINO-9-METHYLCARBAZOLE HCl, 104:18.
2-AMINO-6-METHYLHEPTANE, 105:18.
2-AMINO-4-METHYLHEXANE, (4-METHYL-2-HEXYLAMINE) 1328:196.
DL-2-AMINO-1-(p-METHYLPHENYL)PROPANE, 106:18.
3-(4-AMINO-2-METHYLPYRIMIDYL-5-METHYL)-4-METHYL-5-β-HYDROXYETHYLTHIAZOLIUM-CHLORIDE HYDROCHLORIDE, (THIAMINE HCl) 1966:296.
2-AMINO-9-METHYL-5, 6, 7, 8-TETRAHYDROCARBAZOLE HCl, 107:20.
3-AMINO-9-METHYL-5, 6, 7, 8-TETRAHYDROCARBAZOLE HCl, 108:20.
1-AMINONAPHTHALENE, (α-NAPHTHYLAMINE) 1414:208.
AMINOPHEN, (ANILINE) 153:26; 15:324.
o-AMINOPHENOL, 109:20.
p-AMINOPHENOL, 110:20.
1-AMINO-2-PHENYLETHANE, (PHENYLETHYLAMINE) 1562:232.
α-(4-AMINOPHENYL)-β-METHYLAMINOPROPANE, 111:20.
4-(4'-AMINOPHENYLSULFONAMIDO)PHENYLSULFONDIMETHYLAMIDE, (ULIRON) 2054:310.
AMINOPHYLLINE, 112:20.
2-AMINOPROPANE, (ISOPROPYLAMINE) 1141:172; 156:340.
1-AMINO-2-PROPANOL, 113:20.
p-AMINOPROPIOPHENONE, 114:20.
3-AMINO-9-PROPYLCARBAZOLE HCl, 115:20.
4-AMINOPROPYLMORPHOLINE, 116:20.
6-AMINOPURINE, (ADENINE) 59:14.
p-AMINOPYRIDINE, 117:20.
AMINOPYRINE, 118:20.
2-AMINOQUINUCLIDINOLDIPHENYLACETATE HCl, 119:20.
p-AMINOSALICYLIC ACID, 120:20.
1-AMINO-5, 6, 7, 8-TETRAHYDROCARBAZOLE HCl, 121:22.
2-AMINO-5, 6, 7, 8-TETRAHYDROCARBAZOLE HCl, 122:22.
3-AMINO-5, 6, 7, 8-TETRAHYDROCARBAZOLE HCl, 123:22.
AMINOTHIAZOLE, 124:22.
AMMIVIN, (VISAMMIN) 2088:314.
AMMONIA, 125:22; 12:322.
AMMONIUM ACETATE, 126:22.
AMMONIUM CHLORIDE, 127:22.
AMMONIUM CHLOROHEPTENEARSONATE, (AMMONIUM HEPTINCHLOROARSINATE) 130:22.
AMMONIUM DICHROMATE, 128:22.
AMMONIUM FLUORIDE, 129:22.
AMMONIUM HEPTINCHLOROARSINATE, 130:22.
AMMONIUM HYDROXIDE, (AMMONIA) 125:22; 12:322.
AMMONIUM MANDELATE, 131:22.
AMMONIUM MOLYBDATE, 132:22.
AMMONIUM PERSULFATE, 133:22.
AMMONIUM SALICYLATE, 134:22.
AMMONIUM SILICOFLUORIDE, 135:22.
AMMONIUM SULFAMATE, 136:22.
AMOBARBITAL, (AMYTAL) 146:24, 26.
AMPHEDROXYN, (METHEDRINE) 1248:188.
AMPHETAMINE, (BENZEDRINE) 224:40.
AMPHETAMINE SULFATE, (BENZEDRINE SULFATE) 225:40.
AMYDRICAINE, (ALYPIN) 79:16.
AMYGDALIC ACID, (MANDELIC ACID) 1219:182.
AMYGDALINIC ACID, (MANDELIC ACID) 1219:182.
AMYL ALCOHOL, 137:24.
AMYL ALCOHOL (tert.) 138:24.
AMYLAMINOETHYL-p-AMINOBENZOATE HCl, (STOVAINE) 1874:282.
2-n-AMYLBENZIMIDAZOLE, 139:24.
N, N-AMYLBENZYLCYCLOHEXYLAMINE, 140:24.
AMYLCAINE HCl, (STOVAINE) 1874:282.
AMYLCARBINOL, (1-HEXANOL) 1023:156.
AMYLENE, 13:324.
AMYLENE HYDRATE, (AMYL ALCOHOL (tertiary)) (AVERTIN FLUID) 138:24; 201:34.
AMYL-2-FURYLCARBAMATE (tert.), 141:24.
AMYLOCAINE, (STOVAINE) 1874:282.
AMYLOXASPIRANE (Iso-), 142:24.
2-AMYLPHENOXYETHYLBENZYL-β-CHLOROETHYLAMINE, 143:24.
2-AMYLPHENOXYETHYLETHYL-β-CHLOROETHYLAMINE, 144:24.
AMYLSINE HCl, (STOVAINE) 1874:282.
AMYLTRICHLOROSILANE, 14:324.
n-AMYLTRIMETHYLAMMONIUM IODIDE, 145:24.
AMYTAL, 146:24, 26.
AN-148, (DL-METHADONE HCl) 1244:186.
ANABASINE, 147:26.
ANACOBIN, (VITAMIN B_{12}) 2090:314.
ANAHIST, (NEOHETRAMINE HCl) 1422:210.
ANALGESINE, (ANTIPYRINE) 173:28.
ANAYODINE, (CHINIOFON) 390:64.
ANCISTRODON BLOMHOFFI, (SNAKE VENOM) 1790:268.
ANCISTRODON HALYS, (SNAKE VENOM) 1790:268.
ANCISTRODON MOKASEN, (SNAKE VENOM) 1790:268.
ANCISTRODON PISCIVORUS, (SNAKE VENOM) 1790:268.

Δ^4-ANDROSTEN-17(α)-ol-3-ONE, (TESTOSTERONE) 1927:290.
ANEMONIN, 148:26.
ANETHAINE, (PANTOCAINE) 1487:220.
ANEURINE HCl, (THIAMINE HCl) 1966:296.
α-ANGELICA LACTONE, 149:26.
β-ANGELICA LACTONE, 150:26.
ANHALINE SULFATE, (HORDENINE SULFATE) 1040:158.
16-ANHYDRODIGITALINUM VERUM MONOACETATE, 151:26.
ANHYDROGITALIN, (GITOXIN) 975:150.
5-ANHYDROPERIPLOGENONE, 152:26.
ANHYDROUS HYDRAZINE, (HYDRAZINE) 1045:160; 143:338.
ANILINE, 153:26; 15:324.
ANILINE GREEN, (MALACHITE GREEN) 1214:182.
ANILINE OIL, (ANILINE) 153:26; 15:324.
p-ANILINESULFONAMIDE, (SULFANILAMIDE) 1901:288.
ANILINOETHANOL, 154:26.
2-ANILINOETHANOL, 155:26.
ANISE ALCOHOL, (p-METHOXYBENZYL ALCOHOL) 1252:188.
ANISOLE, 156:26.
ANISYL ALCOHOL, (p-METHOXYBENZYL ALCOHOL) 1252:188.
ANISYLIDENE-STROPHANTHIDIN, 157:26.
ANTABUSE, 158:26.
ANTALLERGAN HCl, (NEOANTERGAN HCl) 1418:210.
ANTAZOLIDINE, (ANTISTINE) 174:30.
ANTERGAN, 159:26.
ANTHISAN HCl, (NEOANTERGAN HCl) 1418:210.
ANTIARIN, 160:28.
ANTIBASON, (METHYLTHIOURACIL) 1378:202.
ANTIBIOTIC from STREPTOMYCES GRISEUS, (ACTIDIONE) 57:12.
ANTICHLOR, (SODIUM THIOSULFATE) 1859:280.
ANTICOAGULANT 63, (4-HYDROXYCOUMARIN) 1060:162.
ANTIFEBRIN, (ACETANILIDE) 16:6.
ANTIHEMORRHAGIC VITAMIN, (VITAMIN K) 2092:314.
ANTIMONY, 161:28.
ANTIMONY PENTASULFIDE, 162:28.
ANTIMONY PENTOXIDE, 163:28.
ANTIMONY POTASSIUM TARTRATE, 164:28.
D-ANTIMONY POTASSIUM TARTRATE, 165:28.
DL-ANTIMONY POTASSIUM TARTRATE, 166:28.
L-ANTIMONY POTASSIUM TARTRATE, 167:28.
meso-ANTIMONY POTASSIUM TARTRATE, 168:28.
ANTIMONY SODIUM TARTRATE, 169:28.
ANTIMONY TRIOXIDE, 170:28.
ANTIMONY TRISULFIDE, 171:28.
ANTIMOSAN, 172:28.
ANTINONNIN, (4,6-DINITRO-o-CRESOL) 757:116.
ANTINOSIN, (IODEIKON) 1107:168.
ANTIPELLAGRA VITAMIN, (NICOTINIC ACID) 1441:214.
ANTIPERNICIOUS ANEMIA PRINCIPLE, (VITAMIN B_{12}) 2090:314.
ANTIPYRINE, 173:28.
ANTISTINE, 174:30.
ANTODYNE, (α-PHENYLGLYCERYL ETHER) 1572:232.
ANTRYPOL, (GERMANIN) 968:148.
ANTS, artificial oil of (FURFURAL) 958:146.
ANTU, 175:30.
APIOL, 176:30.
APOATROPINE, 177:30.
APOATROPINE METHYLBROMIDE, 178:30.
APOMORPHINE, 179:30.
APOTHESINE, 180:30.
APROBARBITAL, (NUMAL) 1460:216.
AQUAKAY, (MENADIONE) 1228:184.
AQUINONE, (MENADIONE) 1228:184.
ARABINOSE, 181:30.
ARAMINE, 182:30.
ARAMITE, 183:30.
ARASAN, 184:30.
ARECOLINE, 185:30.
ARIBINE, (HARMANE) 992:152.
ARRHENAL, (MONOMETHYLARSINIC ACID DISODIUM) 1397:204.
ARSACETIN, 186:30.
ARSAMIN, (ATOXYL) 193:32.
ARSENIC CHLORIDE, (ARSENIC TRICHLORIDE) 16:324.
ARSENIC PENTOXIDE, 187:30.
ARSENIC TRICHLORIDE, 16:324.
ARSENIC TRIHYDRIDE, (ARSINE) 189:32; 17:324.
ARSENIC TRIOXIDE, 188:32.
ARSENIURETTED HYDROGEN, (ARSINE) 189:32; 17:324.
ARSENO 39, (MAPHARSEN) 1224:182.
ARSENOBENZENE, (ARSPHENAMINE) 190:32.
ARSENOBENZOL, (ARSPHENAMINE) 190:32.
ARSENOSAN, (MAPHARSEN) 1224:182.
ARSENOUS CHLORIDE, (ARSENIC TRICHLORIDE) 16:324.
ARSENOUS OXIDE, (ARSENIC TRIOXIDE) 188:32.
ARSINE, 189:32; 17:324.
ARSINOXIDE HCl, (MAPHARSEN) 1224:182.
ARSPHENAMINE, 190:32.
ARSENPHENDIAMINE HCl, (ARSPHENAMINE) 190:32.
ARSYLEN, (ALLYLARSINIC ACID) 71:16.
ASCEPTICHROME, (MERCUROCHROME) 1235:184.
ASP-47, 191:32.
ASPIRIN, (ACETYLSALICYLIC ACID) 43:10.
ATABRINE, 192:32.
ATEBRIN, (ATABRINE) 192:32.
ATOXYL, 193:32.
ATROPINE, 194:32, 34.
ATROPINE METHYLNITRATE, (EUMEDRINE) 922:140.
AUREOMYCIN, 195:34.
AURIC CHLORIDE, 196:34.
AURIN TRICARBOXYLIC ACID, 197:34.
AUROCIDIN, (SANOCHRYSINE) 1765:264.
AUROCIDINE, (SANOCHRYSINE) 1765:264.
AUROLIN, (SANOCHRYSINE) 1765:264.
AUROPIN, (SANOCHRYSINE) 1765:264.
AUROSAN, (SANOCHRYSINE) 1765:264.
AUROUS CHLORIDE, (SODIUM) 198:34.
AVACAN, 199:34.
AVERTIN, 200:34.
AVERTIN FLUID, 201:34.
AZABICYCLONONANOL DIPHENYLACETATE HCl, 202:34.
AZABICYCLOOCTANOL DIPHENYLACETATE HCl, 203:34.
AZABICYCLOOCTANOL-9-FLUORENECARBOXYLATE HCl, 204:36.
AZABICYCLOOCTANOLMETHYLBROMIDE DIPHENYLACETATE, 205:36.
AZOLE, (PYRROLE) 1700:254.
AZOXYBENZENE, 206:36.
AZOXYBENZIDE, (AZOXYBENZENE) 206:36.

BACITRACIN, 207:36.
BACITRACIN A, 208:36.
BACITRACIN B, 209:36.

BACITRACIN C, 210:36.
BAL, 211:36.
BANISTERINE, (HARMINE) 993:152, 154.
BANOCIDE, (HETRAZAN) 1015:156.
BANTHINE BROMIDE, 212:36.
BANTHINE CHLORIDE, 213:36.
BAPTITOXINE NITRATE, (CYTISINE NITRATE) 520:84.
BARBENYL, (LUMINAL) 1204:180.
BARBIPHENYL, (LUMINAL) 1204:180.
BARBITAL, 214:36.
BARIUM ACETATE, 215:38.
BARIUM CARBONATE, 216:38.
BARIUM CHLORIDE, 217:38.
BARIUM FLUORIDE, 218:38.
BARIUM SILICOFLUORIDE, 219:38.
BASIC MAGENTA, (FUCHSINE (BASIC)) 954:146.
BAYER 205, (GERMANIN) 968:148.
BDH 312, (MYANESIN) 1407:208.
BEHEPAN, (VITAMIN B_{12}) 2090:314.
BENADRYL, 220:38, 40.
BENECARDIN, (VISAMMIN) 2088:314.
BENEMID, 221:40.
BENTYL HCl, 222:40.
BENZALDEHYDE, 223:40.
BENZALDEHYDE CYANHYDRIN, (MANDELONITRILE) 1220:182.
BENZALDEHYDE GREEN, (MALACHITE GREEN) 1214:182.
BENZALKONIUM CHLORIDE, (ZEPHIRAN CHLORIDE) 2107:316.
BENZAMINE BLUE, (TRYPAN BLUE) 2046:308.
1-BENZAZINE, (QUINOLINE) 1720:258.
BENZEDRINE, 224:40.
BENZEDRINE SULFATE, 225:40.
BENZENE, 226:42; 18:324.
BENZENEDICARBOXYLIC ACID, (o-PHTHALIC ACID) 1597:236.
BENZENE HEXACHLORIDE(α), 227:42.
BENZENE HEXACHLORIDE(β), 228:42.
BENZENE HEXACHLORIDE(γ), 229:42.
BENZENE HEXACHLORIDE(δ), 230:42.
BENZETHONIUM CHLORIDE, (HYAMINE 1622) 1041:160.
2-(BENZHYDRYLOXY)-N, N-DIMETHYLETHYLAMINE HCl, (BENADRYL) 220:38, 40.
BENZIDINE, 231:42.
BENZILYLOXYETHYLDIETHYLMETHYLAMMONIUM CHLORIDE, 232:42.
BENZILYLOXYETHYLDIMETHYLETHYLAMMONIUM CHLORIDE, 233:42.
BENZILYLOXYETHYLDIMETHYLISOPROPYLAMMONIUM CHLORIDE, 234:42.
BENZILYLOXYETHYLTRIETHYLAMMONIUM BROMIDE, 235:42.
BENZILYLOXYPROPYLDIETHYLMETHYLAMMONIUM CHLORIDE, 236:42.
BENZILYLOXYPROPYLDIMETHYLETHYLAMMONIUM CHLORIDE, 237:42.
4-BENZILYLOXY-1, 2, 2, 6-TETRAMETHYLPIPERIDINE METHOCHLORIDE(α), 238:42.
4-BENZILYLOXY-1, 2, 2, 6-TETRAMETHYLPIPERIDINE METHOCHLORIDE(β), 239:44.
BENZIMIDAZOLE, 240:44.
BENZINE (EUROPEAN), (GASOLINE) 133:338.
BENZINOFORM, (CARBON TETRACHLORIDE) 371:60; 38:328.
BENZO BLUE, (TRYPAN BLUE) 2046:308.
BENZOIC ACID, (SODIUM SALT) 241:44.
BENZOIC ACID BENZYL ESTER, (BENZYL BENZOATE) 258:44, 46.
BENZOIC ACID BUTYL ESTER, 242:44.
BENZOIC ACID ETHYL ESTER, 243:44.
BENZOIC ACID METHYL ESTER, 244:44.
BENZOIC ACID VINYL ESTER, 245:44.
BENZOIC ALDEHYDE, (BENZALDEHYDE) 223:40.
BENZOL, (BENZENE) 226:42; 18:324.
BENZONITRILE, 246:44.
BENZO[b]PYRIDINE, (QUINOLINE) 1720:258.
2, 3-BENZOPYRROLE, (INDOLE) 1104:168.
1, 4-BENZOQUINONE, (QUINONE) 1721:258.
BENZOTHIAZOLE, 247:44.
BENZOTRIAZOLE, 248:44.
BENZOTRICHLORIDE, 249:44.
BENZOXAZOLE, 250:44.
3-BENZOXY-6-DIMETHYLAMINO-4, 4-DIPHENYLHEPTANE, 251:44.
3-BENZOXY-6-DIMETHYLAMINO-4, 4-DIPHENYL-5-METHYLHEXANE, 252:44.
2-BENZOXY-2-DIMETHYLAMINOETHYL-1-DIMETHYLAMINOBUTANE, (ALYPIN) 79:16.
(3-BENZOXYPHENYL)METHYLDIETHYLAMMONIUM BROMIDE, 253:44.
(2-BENZOXYPHENYL)TRIMETHYLAMMONIUM BROMIDE, 254:44.
(4-BENZOXYPHENYL)TRIMETHYLAMMONIUM BROMIDE, 255:44.
BENZOYLETHYLDIMETHYLAMINOISOPROPANOL, (STOVAINE) 1874:282.
BENZOYLPSEUDOTROPEINE, (TROPACOCAINE) 2045:308.
BENZYL ALCOHOL, 256:44; 19:324.
2-(N-BENZYLANILINOMETHYL)IMIDAZOLINE, (ANTISTINE) 174:30.
BENZYLBENZAZEPINE, 257:44.
BENZYLBENZENECARBOXYLATE, (BENZYL BENZOATE) 258:44, 46.
BENZYL BENZOATE, 258;44, 46.
N-BENZYL-β-CHLOROPROPINAMIDE, (HIBICON) 1036:158.
2-[BENZYL(2-DIMETHYLAMINOETHYL)AMINO]-PYRIDINE, (PYRIBENZAMINE) 1691:252.
2-[BENZYL(2-DIMETHYLAMINOETHYL)AMINO]-PYRIMIDINE, (HETRAMINE) 1014:156.
N-BENZYL-N', N'-DIMETHYL-N-PHENYLETHYLENE DIAMINE HCl, (ANTERGAN) 159:26.
BENZYLDIMETHYL(2-[2-(p-1, 1, 3, 3-TETRAMETHYLBUTYLPHENOXY)ETHOXY]ETHYL)AMMONIUM CHLORIDE, (HYAMINE 1622) 1041:160.
2-BENZYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 259:46.
BENZYLNITRILE, 260:46.
p-(BENZYLSULFONAMIDO)BENZOIC ACID, (CARONAMIDE) 373:60.
BENZYLTRIMETHYLAMMONIUM HYDROXIDE, 261:46.
BEPROCHINE, (PLASMOQUINE) 1619:238, 240.
BERUBIGEN, (VITAMIN B_{12}) 2090:314.
BERYLLIUM CARBONATE, 262:46.
BERYLLIUM CHLORIDE, 263:46.
BERYLLIUM NITRATE, 264:46.
BERYLLIUMOXYFLUORIDE, 265:46.
BERYLLIUM SULFATE, 266:46.
BETABION HCl, (THIAMINE HCl) 1966:296.
BETACAINE, (β-EUCAINE) 918:138.
BETAEUCAINE, (β-EUCAINE) 918:138.
BETALIN 12, (VITAMIN B_{12}) 2090:314.
BETANAPHTHOL, (β-NAPHTHOL) 1413:208.
BETULA OIL, (METHYL SALICYLATE) 1375:202.
BEVIDOX, (VITAMIN B_{12}) 2090:314
BFP, (BIS-(DIMETHYLAMIDO)FLUOROPHOSPHATE) 281:48.

BICYCLO[4, 4, O]DECANE, (DECAHYDRONAPHTHALENE) 524:86; 57:330.
BIETHYLENE, (1, 3-BUTADIENE) 23:324.
BIFORMYL, (GLYOXAL) 984:152.
BIGITALIN, (GITOXIN) 975:150.
BILINEURINE, (CHOLINE) 434:70.
BIOCRES, (VITAMIN B_{12}) 2090:314.
BIPHENYL, 267:46.
BIS-(4-ACETAMIDOPHENYL)SULFONE, (RODILONE) 1741:260.
BIS-2-(BENZOTHIAZOLYLTHIOMETHYL)UREA, (EL-60) 801:122.
BIS[BISDIMETHYLAMINOPHOSPHONOUS]-ANHYDRIDE, (OMPA) 1476:218.
BIS-(3-CARBOMETHOXY-4-HYDROXYPHENYL)-β-TRICHLOROETHANE, 268:46.
BIS-(β-CHLOROETHYL)AMINE, 269:46.
BIS-(β-CHLOROETHYL)CHLOROAMINE, 270:46.
N, N'-BIS(2-CHLOROETHYL)-N-2-(CHLOROETHYLAMINOETHYL)-ETHYLENEDIAMINE 3HCl, 271:46.
N, N'-BIS(2-CHLOROETHYL)-N, N'-DIETHYL-ETHYLENEDIAMINE 2 HCl, 272:46.
BIS (β-CHLOROETHYL)FORMAMIDE, 273:46.
BIS-(2-CHLOROETHYL)METHYLAMINE HCl, 274:46.
BIS (β-CHLOROETHYL)MORPHOLINIUM CHLORIDE, 275:46.
BIS-(β-CHLOROETHYL)NITROSOAMINE, 276:46.
N, N'-BIS(2-CHLOROETHYL)-1, 4-PIPERAZINE HCl, 277:46.
BIS (β-CHLOROETHYL)SULFIDE, (MUSTARD GAS) 1406:206, 208; 186:344.
BIS (2-CHLOROETHYL)SULFIDE, (MUSTARD GAS) 1406:206, 208; 186:344.
BIS (p-CHLOROPHENOXY)METHANE, 278:46; 20:324.
α-α- BIS(p-CHLOROPHENYL) -β, β, β- TRICHLORETHANE, (DDT) 523:86.
2, 2-BIS(p-CHLOROPHENYL)-1, 1, 1-TRICHLOROETHANE, (DDT) 523:86.
2, 6-BIS(DIETHYLAMINOETHOXY)BENZOPHENONE DIETHIODIDE, 279:46.
2, 5-BIS(3-DIETHYLAMINOPROPYLAMINO)-BENZOQUINONE-BIS-BENZYLCHLORIDE, 280:46.
BIS(DIETHYLTHIOCARBAMYL)DISULFIDE, (ANTABUSE) 158:26.
BIS(DIMETHYLAMIDO)FLUOROPHOSPHATE, 281:48.
BIS(DIMETHYLTHIOCARBAMYL)DISULFIDE, (ARASAN) 184:30.
N^1, N^2-BIS(p-ETHOXYPHENYL)ACETAMIDINE HCl, (PHENACAINE HCl) 1520:228.
2, 2-BIS(ETHYLSULFONYL)PROPANE, (SULFONAL) 1907:288.
2, 6-BIS(ETHYLAMINO)-4-AMINO-s-TRIAPINE, 282:48.
1, 6-BIS(3, 3-ETHYLENEIMIDOUREIDO)-n-HEXANE, 283:48.
2, 3-BIS(3, 3-ETHYLENEIMINOUREIDO)TOLUENE, 284:48.
1, 10-BIS(9-FLUORENYLDIETHYLAMMONIUM)-DECANE BROMIDE, 285:48.
1, 6-BIS(9-FLUORENYLDIETHYLAMMONIUM)-HEXANE BROMIDE, 286:48.
1, 6-BIS(9-FLUORENYLDIMETHYLAMMONIUM)-HEXANE BROMIDE, 287:48.
BISHYDROXYCOUMARIN, (DICUMAROL) 595:96.
2, 3-BIS[3-(2-HYDROXYETHYL)UREIDO]TOLUENE, 288:48.
3, 4-BIS(p-HYDROXYPHENYL)-3-HEXENE, (DIETHYLSTILBESTROL) 634:102.
2, 3-BIS(p-HYDROXYPHENYL)PROPIONITRILE, 289:48.
2, 3-BIS(p-HYDROXYPHENYL)VALERONITRILE, 290:48.
BISMARSEN, 291:48.
2, 2-BIS-(p-METHOXYPHENYL-1, 1, 1-TRICHLOROETHANE, (METHOXYCHLOR) 1253:188.
BISMUTH ARSPHENAMINE SULFONATE, (BISMARSEN) 291:48.
BIS-3, 3'-(4-OXYCOUMARINYL)ETHYLACETATE, (TROMEXAN) 2044:308.
2, 7-BIS(TRICHLOROMETHYL)-4-METHYL-1, 3, 6-TRIOXEPANE, 292:48.
BITEVAN, (VITAMIN B_{12}) 2090:314.
β-BITTERACID, (LUPULON) 1207:180.
BITTER SALT, (MAGNESIUM SULFATE) 1213:180, 182.
BIVINYL, (1, 3-BUTADIENE) 23:324.
BL-5, (4-HYDROXYCOUMARIN) 1060:162.
BLACK MANGANESE OXIDE, (MANGANESE DIOXIDE) 1222:182.
BLADAN BASE, (HETP) 1013:156.
BONOFORM, (sym.-TETRACHLOROETHANE) 1929:290; 219:350.
BORACIC ACID, (BORIC ACID) 293:48.
BORIC ACID, 293:48.
BORNEOL, 294:48
BORNYL ALCOHOL, (BORNEOL) 294:48.
BOROETHANE, (DIBORANE) 60:330.
BOTHROPS ALTOMATA, (SNAKE VENOM) 1790:268.
BOTHROPS ATROX, (SNAKE VENOM) 1790:268.
BOTHROPS COBIARA, (SNAKE VENOM) 1790:268.
BOTHROPS INSULARIS, (SNAKE VENOM) 1790:268.
BOTHROPS ITAPATININGAE, (SNAKE VENOM) 1790:268.
BOTHROPS JARARACA, (SNAKE VENOM) 1790:268.
BOTHROPS JARARACASSU I, (SNAKE VENOM) 1790:268.
BOTHROPS JARARACASSU II, (SNAKE VENOM) 1790:268.
BOTHROPS NEUWIEDII, (SNAKE VENOM) 1790:268.
BOURBANAL, (ETHYL VANILLIN) 917:138.
BOVOGENIN E, 295:50.
BOVOSIDE D, 296:50.
BRILLIANT GREEN, 297:50.
BRITISH ANTI-LEWISITE, (BAL) 211:36.
BROMIC ETHER, (ETHYL BROMIDE) 111:336.
BROMINE, 21:324.
BROMISOVAL, (BROMURAL) 303:50.
BROMISOVALUM, (BROMURAL) 303:50.
5-(2-BROMOALLYL)-5-ISOPROPYLBARBITURIC ACID, (NOCTAL) 1455:216.
5-(2-BROMOALLYL)-5-(BUTYL-2)BARBITURIC ACID, (PERNOSTON) 1518:226.
BROMODIETHYLACETYL UREA, (ADALIN) 58:14.
BROMOEOSINE, (EOSIN (YS, yellowish)) 806:124.
BROMOETHANE, (ETHYL BROMIDE) 111:336.
(α-BROMO-α-ETHYLBUTYRYL) UREA, (ADALIN) 58:14.
BROMOFLUOROESCEIC ACID, (EOSIN (YS, yellowish)) 806:124.
BROMOFORM, 298:50; 22:324.
(2-BROMOISOVALERYL)UREA, (BROMURAL) 303:50.
BROMOL, (2, 4, 6-TRIBROMOPHENOL) 1996:302.
BROMOMETHANE, (METHYL BROMIDE) 169:342, 344.
o-BROMOPHENOL, 299:50.
p-BROMOPHENYL, PHENYL-METHYLETHER of β-DIMETHYLAMINO ETHANOL, 300:50.
p-BROMOPHENYL, PHENYL-METHYLETHER of PYROLLIDINO ETHANOL, 301:50.
BROMOTRICHLOROETHYL MALONATE, 302:50.
BROMURAL, 303:50.
BRUCINE, 304:50.

BUFAGENINE, 305:50.
BUFOTOXIN, 306:50.
BULAN, 307:50.
BULBOCAPNINE, 308:50.
BURSINE, (CHOLINE) 434:70.
BUTACAINE SULFATE, (BUTYN SULFATE) 343:54.
α-γ-BUTADIENE, (1,3-BUTADIENE) 23:324.
1,3-BUTADIENE, 23:324.
BUTADIENE MONOXIDE, 24:324.
BUTALGIN, (DL-METHADONE HCl) 1244:186.
BUTALLYLONAL, (PERNOSTON) 1518:226.
BUTANAL, (BUTYRALDEHYDE) 344:54; 32:326.
1,3-BUTANEDIAMINE, 309:50.
BUTANEDIOIC ACID, (SUCCINIC ACID) 1892:286.
BUTANEDIOL, 310:50.
1,2,3,4-BUTANETETROL, (ERYTHRITE) 827:128.
1,2,4-BUTANETRIOL, 311:50.
1-BUTANOL, (n-BUTYL ALCOHOL) 317:52.
2-BUTANOL, (BUTYL ALCOHOL (secondary)) 318.52.
BUTANONE, 25:324.
1-BUTANONE, (BUTANONE) 25:324.
BUTAZOLIDINE, (PHENYLBUTAZONE) 1547:230.
trans.-2-BUTENAL, (CROTONALDEHYDE) 483:80; 47:328.
BUTENE-2, 26:324.
1-BUTENE, (BUTYLENE) 29:324.
trans.-2-BUTENOIC ACID, (CROTONIC ACID) 485:80.
BUTETHAL, (NEONAL) 1424:210.
BUTETHANOL, (PANTOCAINE) 1487:220.
BUTOBARBITAL, (NEONAL) 1424:210.
BUTOPYRONOXYL, (INDALONE) 1101:166.
2-BUTOXY-N-(2-DIETHYLAMINOETHYL)-CINCHONINAMIDE, (NUPERCAINE) 1461:216.
2-BUTOXYETHANOL, 312:50.
2(2-BUTOXYETHOXY)ETHANOL, 313:50.
2(2-BUTOXYETHOXY)ETHANOL ACETATE, 314:52.
β-BUTOXY-β-THIOCYANODIETHYLETHER, (LETHANE 384) 1196:178.
BUTTER OF ARSENIC, (ARSENIC TRICHLORIDE) 16:324.
BUTTER OF ZINC, (ZINC CHLORIDE) 2109:316.
BUTYL ACETATE, 315:52; 27:324.
BUTYL ACRYLATE, 316:52; 28:324.
n-BUTYL ALCOHOL, 317:52.
n-prim.-BUTYL ALCOHOL, (n-BUTYL ALCOHOL) 317:52.
BUTYL ALCOHOL (secondary) 318:52.
BUTYL ALCOHOL (tertiary) 319:52.
BUTYL ALDEHYDE, (BUTYRALDEHYDE) 344:54; 32:326.
n-BUTYLAMINE, 320:52.
BUTYLAMINOALCOHOL, 321:52.
p-BUTYLAMINOBENZOYLDIMETHYLAMINO HCl, (PANTOCAINE) 1487:220.
n-BUTYLANILINE, 322:52.
BUTYLBENZAZEPINE, 323:52.
2-BUTYL-β-BROMALLYL BARBITURIC ACID, (PERNOSTON) 1518:226.
BUTYLCARBITOL, 324:52.
n-BUTYLCARBITOL THIOCYANATE, 325:52.
BUTYLCARBITYL-6-PROPYLPERONYL ETHER, (PIPERONYL BUTOXIDE) 1615:238.
BUTYL CELLOSOLVE, (ETHYLENE GLYCOL MONOBUTYLETHER) 888:136; 118:336.
BUTYL-3,4-DIHYDRO-2,2-DIMETHYL-4-OXO-1,2H-PYRAN-6-CARBOXYLATE, (INDALONE) 1101:166.
2-BUTYLDIOXASPIRANE, 326:52.
BUTYLENE, 29:324.
α-BUTYLENE, (BUTYLENE) 29:324.
β-BUTYLENE, (BUTENE-2) 26:324.
BUTYLENEGLYCOL, 327:52.
1,3-BUTYLENE GLYCOL, 328:52.
1,4-BUTYLENE GLYCOL, 329:52.
2,3-BUTYLENE GLYCOL, 330:52.
BUTYLENE HYDRATE, (BUTYL ALCOHOL (secondary)) 318:52.
n-BUTYLEPINEPHRINE, 331:52.
BUTYL ETHER, 332:52; 30:326.
3-BUTYL-5-ETHYLBARBITURIC ACID, (NEONAL) 1424:210.
n-BUTYL-DL-MALATE, 333:54.
BUTYL MESITYL OXIDE, (INDALONE) 1101:166.
n-BUTYLMETHACRYLATE, 334:54.
tert.-BUTYL METHYL KETONE, (PINACOLIN) 1610:238.
n-BUTYL PHTHALATE, (DIBUTYL PHTHALATE) 568:92.
N-sec.-BUTYLPHTHALIMIDE, 335:54.
BUTYL STEARATE, 336:54.
BUTYL-K-STROPHANTHIDIN (Iso-), 337:54.
n-BUTYL-K-STROPHANTHIDIN, 338:54.
N-BUTYL-1,2,3,6-TETRAHYDRONAPHTHYLAMIDE, 339:54.
n-BUTYL THIOCYANATE, 340:54.
p-tert.-BUTYLTOLUENE, 341:54; 31:326.
n-BUTYLTRIMETHYLAMMONIUM IODIDE, 342:54.
BUTYN SULFATE, 343:54.
BUTYRALDEHYDE, 344:54; 32:326.
BUTYRIC ACID, 345:54.
BUTYRIC or normal primary BUTYL ALCOHOL, (n-BUTYL ALCOHOL) 317:52.
BUTYRIC ANHYDRIDE, 346:54.
BUTYRONITRILE, 347:54.
BUTYRYL OXIDE, (BUTYRIC ANHYDRIDE) 346:54.

CACODYLIC ACID, 348:56.
CADMIUM CHLORIDE, 349:56.
CADMIUM OXIDE, 33:326.
CADMIUM SULFATE, 350:56.
CAFFEARINE, (TRIGONELLINE) 2025:304.
CAFFEINE, 351:56.
CALAMINOFORMYLMETHYLPYRIDINIUM CHLORIDE, lauric and myristic acid esters of, (EMULSEPT) 804:124.
CALCIFEROL, (VITAMIN D_2) 2091:314.
CALCIUM ACETATE, 352:56.
CALCIUM ARSENATE, 353:58.
CALCIUM CHLORATE, 354:58.
CALCIUM CHLORIDE, 355:58.
CALCIUM FLUORIDE, 356:58.
CALCIUM HYDROXIDE, 357:58.
CALCIUM SILICOFLUORIDE, 358:58.
2-CAMPHANOL, (BORNEOL) 294:48.
2-CAMPHANONE, (CAMPHOR) 359:58.
CAMPHENE, chlorinated, (TOXAPHENE) 1992:300.
CAMPHOR, 359:58.
CANTHARIDIN, 360:58.
n-CAPROIC ACID, (HEXANOIC ACID) 1022:156.
CAPRONITRILE, 361:58.
CAPTAN, 362:58.
CARAMIPHEN HCl, (PARPANIT) 1496:222.
CARBACHOL, (CARBAMYLCHOLINE CHLORIDE) 363:58.
CARBAMAMIDINE, (GUANIDINE) 989:152.
CARBAMIDE, (UREA) 2059:310.
CARBAMIDINE; (GUANIDINE) 989:152.
p-CARBAMIDOBENZENEARSONIC ACID, (CARBARSONE) 364:58.
4-CARBAMYLAMINOPHENYLARSONIC ACID, (CARBARSONE) 364:58.
N-CARBAMYLARSANILIC ACID, (CARBARSONE) 364:58.

CARBAMYLCHOLINE CHLORIDE, 363:58.
CARBARSONE, 364:58.
CARBAZOLE, 365:60.
CARBAZOTIC ACID, (PICRIC ACID) 1606:236.
CARBINOL, (METHANOL) 1247:188; 162:342.
CARBITOL, 366:60.
CARBITOL ACETATE, 367:60.
CARBITOL SOLVENT, 368:60.
CARBOLIC ACID, (PHENOL) 1524:228.
CARBOMETHENE, (KETENE) 158:342.
2-CARBOMETHOXY-5-ACETAMINOFURAN, 369:60.
CARBON BISULFIDE, (CARBON DISULFIDE) 370:60; 35:326.
CARBON DICHLORIDE, (TETRACHLOROETHYLENE) 1930:290,292; 220:350.
CARBON DIOXIDE, 34:326.
CARBON DISULFIDE, 370:60; 35:326.
CARBON HEXACHLORIDE, (HEXACHLOROETHANE) 1016:156.
CARBONIC ACID GAS, (CARBON DIOXIDE) 34:326.
CARBONIC ANHYDRIDE, (CARBON DIOXIDE) 34:326.
CARBON MONOXIDE, 36:326.
CARBON OXYSULFIDE, 37:326.
CARBON TETRACHLORIDE, 371:60; 38:328.
CARBONYL CHLORIDE, (PHOSGENE) 203:348.
CARBONYLDIAMIDE, (UREA) 2059:310.
CARBONYL SULFIDE, (CARBON OXYSULFIDE) 37:326.
CARBOWAX, (POLYETHYLENE GLYCOL) 1625:240.
p-CARBOXYBENZENESULFONDICHLOROAMIDE, (HALAZONE) 990:152.
2-CARBOXYMETHYLMERCAPTOBENZENE-STIBONIC ACID, 372:60.
N-(γ-CARBOXYMETHYLMERCAPTOMERCURI-β-METHOXY)PROPYLCAMPHORAMIC ACID DISODIUM SALT, (THIOMERIN SODIUM) 1971:298.
4-CARBOXYPHENYLMETHANESULFONANILIDE, (CARONAMIDE) 373:60
CARBROMAL, (ADALIN) 58:14.
CARCHOLIN, (CARBAMYLCHOLINE CHLORIDE) 363:58.
CARDIAZOL, (METRAZOL) 1386:202,204.
CARICIDE, (HETRAZAN) 1015:156.
CARONAMIDE, 373:60.
CARVACROL, 374:60.
CARYOPHYLLIC ACID, (EUGENOL) 921:140.
CASTRIX, 375:62.
CATECHOL, 376:62.
CAUDOSIDE, 377:62.
CAUSTIC ARSENIC CHLORIDE, (ARSENIC TRICHLORIDE) 16:324.
CAUSTIC SODA, (SODIUM HYDROXIDE) 1820:274.
CD-68, (CHLORDAN(E)) 396:64,66.
CEEPRYN CHLORIDE, 378:62.
CELLIAMINE, 379:62.
CELLON, (sym.-TETRACHLOROETHANE) 1929:290; 219:350.
CELLOSOLVE, (2-ETHOXYETHANOL) 105:336.
CELLOSOLVE ACETATE, (2-ETHOXYETHANOL ACETATE) 839:130; 106:336.
CEPHALEINE HCl, 380:62.
CERELOSE, (GLUCOSE) 977:150.
CERIUM CHLORIDE, 381:62.
CEROUS CHLORIDE, (CERIUM CHLORIDE) 381:62.
CESIUM BROMIDE, 382:62.
CESIUM CHLORIDE, 383:62.
CESIUM HYDROXIDE, 384:62.
CESIUM IODIDE, 385:62.
CESIUM NITRATE, 386:62.
CETYLDIMETHYLETHYLAMMONIUM BROMIDE, (ETHYL CETAB) 869:132.
CETYLPYRIDINIUM CHLORIDE, (CEEPRYN CHLORIDE) 378:62.
CEBADINE, 387:62.
CEVINE, 388:64.
CHAULMESTROL, (ETHYL CHAULMOOGRATE) 870:132.
CHAULMOOGRA OIL FATTY ACIDS, sodium salts of, (SODIUM HYDNOCARPATE) 1819:274.
CHELIDONINE SULFATE, 389:64.
CHICK ANTI-DERMATITIS FACTOR, (PANTOTHENIC ACID) 1488:220.
CHILE SALTPETER, (SODIUM NITRATE) 1833:276.
CHINA GREEN, (MALACHITE GREEN) 1214:182.
CHINIOFON, 390:64.
CHINOLEINE, (QUINOLINE) 1720:258.
CHLORAL ACETAMIDE, 391:64.
CHLORAL HYDRATE, 392:64.
CHLORALLYLENE, (ALLYL CHLORIDE) 10:322.
2-CHLORALLYLIDENE-3,3-DIACETATE, 393:64.
CHLORALOSANE, (CHLORALOSE) 394:64.
CHLORALOSE, 394:64.
CHLORANIL, (SPERGON) 1868:282.
CHLORBUTOL, (CHLORETONE) 398:66.
CHLORCYCLOZINE HCl, 395:64.
CHLORDAN(E), 396:64,66.
CHLORETHAMINE, 397:66.
CHLORETONE, 398:66.
CHLORGUANIDE HCl, (PALUDRINE HCl) 1485:220.
CHLORINE, 39:328.
CHLOROACETIC ACID, 399:66.
4-CHLORO-2-AMINOBENZOTHIAZOLE, 400:66.
5-CHLORO-2-AMINOBENZOTHIAZOLE, 401:66.
6-CHLORO-2-AMINOBENZOTHIAZOLE, 402:66.
7-CHLORO-2-AMINOBENZOTHIAZOLE, 403:66.
CHLOROARSEN, 404:66.
N-(p-CHLOROBENZHYDRYL)-N-METHYLPIPERAZINE HCl, 405:66.
(3-m-CHLOROBENZOXYPHENYL)TRIMETHYL-AMMONIUM BROMIDE, 406:66.
(3-p-CHLOROBENZOXYPHENYL)TRIMETHYL-AMMONIUM BROMIDE, 407:66.
1-CHLOROBUTANE, 408:66.
CHLOROBUTANOL, (CHLORETONE) 398:66.
1-CHLORO-2-(β-CHLOROETHYLTHIO)ETHANE, (MUSTARD GAS) 1406:206,208; 186:344.
p-CHLORO-m-CRESOL, 409:66.
1-CHLORO-1,1-DIFLUOROETHANE, 40:328.
3-CHLORO-6-DIMETHYLAMINO-4,4-DIPHENYL-HEPTANE, 410:66.
2-[p-CHLORO-α-(2-DIMETHYLAMINOETHYL)-BENZYL]PYRIDINE, (CHLORPROPHENPYRID-AMINE) 432:68.
2-CHLORO-4-DIMETHYLAMINO-6-METHYLPYRIM-IDINE(?), (CASTRIX) 375:62.
2-CHLOROETHANOL, (ETHYLENE CHLOROHYDRIN) 881:134; 116:336.
N-(2-CHLOROETHYL)DIBENZYLAMINE, (DIBEN-AMINE) 554:90.
2-CHLOROETHYLACRYLATE, 411:66.
2-CHLOROETHYL ALCOHOL, (ETHYLENE CHLOROHYDRIN) 881:134; 116:336.
CHLOROETHYLENE, (VINYL CHLORIDE) 239:352.
β'-CHLORETHYL-β-(p-tert.-BUTYLPHENOXY)-α-METHYLETHYL SULFITE, (ARAMITE) 183:30.
2-CHLOROETHYL VINYL ETHER, 412:66; 41:328.
CHLOROFORM, 413:68; 42:328.
CHLOROFORMYL CHLORIDE, (PHOSGENE) 203:348.
5-CHLORO-8-HYDROXY-7-IODOQUINOLINE, (VIOFORM) 2087:314.
4-CHLORO-3-HYDROXYTOLUENE, (p-CHLORO-m-CRESOL) 409:66.

p-CHLOROMERCURIBENZOATE, 414:68.
CHLOROMETHANE, (METHYL CHLORIDE) 173:344.
CHLORO-β-NAPHTHOL, 415:68.
1-CHLORO-1-NITROETHANE, 416:68.
1-CHLORO-1-NITROPROPANE, 417:68; 43:328.
2-CHLORO-2-NITROPROPANE, 418:68.
m-CHLOROPHENOL, 419:68.
o-CHLOROPHENOL, 420:68.
p-CHLOROPHENOL, 421:68.
p-CHLOROPHENYL-p-CHLOROBENZENE SULFONATE, (ORTHOTRAN) 1480:218.
N-p-CHLOROPHENYLDIAZOTHIOUREA (PROMURIT) 1655:246.
3-(p-CHLOROPHENYL)-1,1-DIMETHYLUREA, 422:68.
N-p-CHLOROPHENYL-N-ISOPROPYLBIGUANIDE, (PALUDRINE HCl) 1485:220.
1-(p-CHLOROPHENYL)-5-ISOPROPYLBIGUANIDE HCl, (PALUDRINE HCl) 1485:220.
1-p-CHLOROPHENYL-2-PHENYL-4-PYRROLIDINE-2-BUTENE, diphosphate salt of, (PYRONYL) 1697:254.
CHLOROPHYLL, (CHLOROPHYLLIN) 423:68.
CHLOROPHYLLIN, 423:68.
CHLOROPICRIN, 424:68; 44:328.
1-CHLORO-2-PROPANOL, 425:68; 45:328.
1-CHLOROPROPENE, 426:68.
2-CHLOROPROPYLDIMETHYLAMINE, 427:68.
3-CHLOROPROPYLENE, (ALLYL CHLORIDE) 10:322.
CHLOROSTYRENE, 428:68.
CHLOROTHEN HCl, (TAGATHEN) 1913:290.
2-[(5-CHLORO-2-THENYL)(2-DIMETHYLAMINO-ETHYL)-AMINO]PYRIDINE HCl, (TAGATHEN) 1913:290.
CHLOROTHENYLPYRAMINE HCl, (TAGATHEN) 1913:290.
CHLOROTHION, 429:68.
2-CHLORO-1,1,3-TRIETHOXYPROPANE, 430:68.
CHLOROTRIFLUOROETHYLENE, 46:328.
2-CHLORO-1,1,2-TRIFLUOROETHYLMETHYL ETHER, 431:68.
CHLOROTRIMETON, (CHLORPROPHENYPYRIDAMINE) 432:68.
CHLORPROPHENPYRIDAMINE, 432:68.
CHLORTETRACYCLINE, (AUREOMYCIN) 195:34.
CHLORYLEN,(TRICHLOROETHYLENE)2004:302;231:350.
CHOLAIC ACID SODIUM, (TAUROCHOLIC ACID SODIUM) 1920:290.
CHOLALIC ACID, (CHOLIC ACID) 433:70.
CHOLEPULVIS, (IODEIKON) 1107:168.
CHOLIC ACID, 433:70.
CHOLINE, 434:70.
CHOLINE CHLORIDE, 435:70.
CHOLUMBRIN, (IODEIKON) 1107:168.
CHOLYLTAURINE SODIUM, (TAUROCHOLIC ACID SODIUM) 1920:290.
CHROMARGYRE, (MERCUROCHROME) 1235:184.
CHROMIC ACETATE, 436:70.
CHROMIC CHLORIDE, 437:70.
CHROMIUM SULFATE, 438:70.
CHROMIUM TRIOXIDE, 439:70.
CHRYSANTHEMUM MONO- and DI- CARBOXYLIC ACIDS, pyrethrolone esters of, (PYRETHRINS I and II) 1690:252.
CIBAZOL, (SULFATHIAZOLE) 1905:288.
CICUTINE, (CONIINE) 461:74; also 1681:250 (β-PROPYLPIPERIDINE)
CICUTOXIN, 440:70.
CINCHOCAINE, (NUPERCAINE) 1461:216.
CINCHONIDINE, 441:70.
CINCHONINE, 442:70.
CINCHOPHEN, 443:70.
CINCHOPHEN SODIUM, 444:70.
CINCHOVATINE, (CINCHONIDINE) 441:70.
CINNAMENE, (STYRENE) 214:348.
CINNAMOL, (STYRENE) 214:348.
(3-CINNAMOXYPHENYL)TRIMETHYLAMMONIUM BROMIDE, 445:70.
CIS-BICYCLO(2,2,1-HEPTANE-2,3-DICARBOXYLIC ACID)-METHYL ESTER, 446:70.
CITRACONIC ANHYDRIDE, 447:70.
CITRIC ACID, 448:72.
CLARETIN-12, (VITAMIN B_{12}) 2090:314.
CLAVACIN, (PATULIN) 1498:222.
CLAVATIN, (PATULIN) 1498:222.
CLAVIFORMIN, (PATULIN) 1498:222.
"COAL OIL", (KEROSENE) 1157:172.
COBALTOUS CHLORIDE, 449:72.
COBALTOUS NITRATE, 450:72.
COBAMINE, (VITAMIN B_{12}) 2090:314.
COBIONE, (VITAMIN B_{12}) 2090:314.
COBRA VENOM, 451:72.
COCAINE, 452:72.
D-COCAINE TARTRATE, (PSICAINE) 1687:250.
COCCOCLASE, (SULFAPYRIDINE) 1902:288.
COCCULIN, (PICROTOXIN) 1608:236, 238.
CODEINE HCl, 453:72.
CODEINE PHOSPHATE, 454:72.
COFFEARINE, (TRIGONELLINE) 2025:304.
COFFEINE, (CAFFEINE) 351:56.
COLALIN, (CHOLIC ACID) 433:70.
COLCHICEINE, 455:72.
COLCHICINE, 456:74.
COLUMBIUM CHLORIDE, 457:74.
COMMON SALT, (SODIUM CHLORIDE) 1805:272.
CONGO BLUE, (TRYPAN BLUE) 2046:308.
CONGO RED, 458:74.
CONHYDRINE, 459:74.
γ-CONICEINE, 460:74.
CONICINE, (CONIINE) 461:74; also 1681:250 (β-PROPYLPIPERIDINE)
CONIINE, 461:74; also 1681:250 (β-PROPYLPIPERIDINE)
CONQUININE, (QUINIDINE) 1708:254.
CONVALLAMARIN, 462:74, 76.
CONVALLARIN, 463:76.
CONVALLATOXIN, 464:76.
CONVALLOTOXOL, 465:76.
COPELLIDINE, 466:76.
COPPER ACETARSENITE, (PARIS GREEN) 1495:222.
COPPER CARBONATE, 467:76.
COPPER CHLORIDE, 468:76.
COPPER NITRATE, 469:76.
COPPER SULFATE, 470:76.
CORAMINE, 471:76.
CORCHOROSIDE A, 472:76.
CORCHOROSIDE B, 473:76.
CORN SUGAR, (GLUCOSE) 977:150.
CORPUS LUTEUM HORMONE, (PROGESTERONE) 1653:246.
CORROSIVE MERCURY CHLORIDE, (MERCURIC CHLORIDE) 1234:184.
CORROSIVE SUBLIMATE, (MERCURIC CHLORIDE) 1234:184.
CORYAMYRTIN, 474:76, 78.
CORYNANTHEINE, 475:78.
CORYNANTHEINE TARTRATE, 476:78.
CORYNANTHINE HCl, 477:78.
CORYNANTHINE TARTRATE, 478:78.
COTOIN(E), 479:78.
m-CRESOL, 480:78.
o-CRESOL, 481:78.

p-CRESOL, 482:78.
o-CRESYL GLYCEROL ETHER, (MYANESIN) 1407:208.
CRISALBINE, (SANOCHRYSINE) 1765:264.
CROTALUS ADAMANTUS, (SNAKE VENOM) 1790:268.
CROTALUS ATROX, (SNAKE VENOM) 1790:268.
CROTALUS BASILICUS, (SNAKE VENOM) 1790:268.
CROTALUS HORRIDUS, (SNAKE VENOM) 1790:268.
CROTALUS TERRIFICUS, (SNAKE VENOM) 1790:268.
CROTONALDEHYDE, 483:80; 47:328.
CROTONAMIDE, 484:80.
CROTONIC ACID, 485:80.
α-CROTONIC ACID, (CROTONIC ACID) 485:80.
CROTONIC ACID VINYL ESTER, 486:80.
CROTONIC ALDEHYDE, (CROTONALDEHYDE) 483:80; 47:328.
CROTONYLENE, 48:328.
CRYOLITE, 487:80.
CRYPTENAMINE, 488:80.
CRYSTALLINE DIGITALIN, cf. Digitaline Nativelle, N. N. R. 1946, (DIGITOXIN) 644:102, 104.
CRYSTAL VIOLET, 489:80.
CUBIC NITER, (SODIUM NITRATE) 1833:276.
CUMENE, 490:80; 49:328.
CUMERTILIN, 491:80.
CUMOL, (CUMENE) 490:80; 49:328.
CURARE, 492:80.
CURARINE, 493:80, 82.
CYANINE No. 715, 494:82.
CYANOBENZENE, (BENZONITRILE) 246:44.
CYANOCOBALAMIN, (VITAMIN B_{12}) 2090:314.
CYANOETHYLENE, (ACRYLONITRILE) 56:12; 7:322.
CYANOGEN CHLORIDE, 495:82; 50:328.
CYANOGEN IODIDE, 496:82.
CYANOMETHANE, (ACETONITRILE) 24:8.
CYANOMETHYL ACETATE, 497:82.
CYANOMETHYL BUTYRATE, 498:82.
CYCLAMATE SODIUM, (CYCLOHEXYL SULFAMATE SODIUM) 515:84.
CYCLETHRIN, 499:82.
CYCLOBARBITAL, (PHANODORN) 1519:226, 228.
CYCLOBARBITONE, (PHANODORN) 1519:226, 228.
CYCLOHEXADIENE, 51:330.
1, 4-CYCLOHEXADIENEDIONE, (QUINONE) 1721:258.
CYCLOHEXANE, 500:82; 52:330.
CYCLOHEXANECARBOXYLIC ACID-1-HYDROXY-CYCLOPHENYL ESTER, 501:82.
CYCLOHEXANOL, 502:82.
CYCLOHEXANONE, 503:82; 53:330.
CYCLOHEXATRIENE, (BENZENE) 226:42; 18:324.
CYCLOHEXENE, 54:330.
5-(1-CYCLOHEXEN-1-YL)-1, 5-DIMETHYL-BARBITURIC ACID, (EVIPAL) 923:140.
5-(1-CYCLOHEXENYL)-5-ETHYLBARBITURIC ACID, (PHANODORN) 1519:226, 228.
β-δ-1, 2-CYCLOHEXENYLISOPROPYLAMINE, 504:82.
CYCLOHEXYLACETOACETATE, 505:82.
CYCLOHEXYLAMINE, 506:82.
DL-1-CYCLOHEXYL-2-AMINOPROPANE HCl, 507:82.
CYCLOHEXYLAMMONIUM FORMATE, 508:82.
CYCLOHEXYLAMMONIUM STEARATE, 509:82.
N-CYCLOHEXYL-N-DIETHYLTHIOCARBONYL-SULFONAMIDE, (THIOPENTEX) 1972:298.
α-CYCLOHEXYL-α-ETHYLAMINE, 510:84.
α-CYCLOHEXYL-β-ETHYLAMINE, 511:84.
CYCLOHEXYLETHYLBARBITURIC ACID, (PHANODORN) 1519:226, 228.
α-CYCLOHEXYLISOPROPYLAMINE, 512:84.
CYCLOHEXYLMETHYLAMINE, 513:84.
DL-1-CYCLOHEXYL-2-METHYLAMINOPROPANE HCl, 514:84.
CYCLOHEXYL SULFAMATE SODIUM, 515:84.
CYCLONAL, (EVIPAL) 923:140.
CYCLONITE, (CYCLOTRIMETHYLENETRINITRAMINE) 516:84.
α, β-CYCLOPENTAMETHYLENETETRAZOLE, (METRAZOL) 1386:202, 204.
CYCLOPENTAMINE HCl, (DL-1-CYCLOHEXYL-2-METHYLAMINOPROPANE HCl) 514:84.
CYCLOPENTANE, 55:330.
(3-(2-CYCLOPENTENYL)-2-METHYL-4-oxo-2-CYCLOPENTENYL)-CHRYSANTHEMUM MONOCARBOXYLATE, (CYCLETHRIN) 499:82.
CYCLOTRIMETHYLENETRINITRAMINE, 516:84.
CYMARIN, 517:84.
CYMENE, 518:84.
3-p-CYMENOL, (THYMOL) 1982:298, 300.
CYSTAMIN(E), 519:84.
CYSTOGEN, (CYSTAMIN(E)) 519:84.
CYTAMEN, (VITAMIN B_{12}) 2090:314.
CYTISINE NITRATE, 520:84.

2, 4-D, 521:84.
DAGENAN, (SULFAPYRIDINE) 1902:288.
DAVITAMON K, (MENADIONE) 1228:184.
DB 90, (ULIRON) 2054:310.
DDD, 522:84.
DDT, 523:86.
DEBENAL, (SULFADIAZINE) 1897:288.
DEC, (DECAHYDRONAPHTHALENE) 525:86; 57:330.
DECABORANE, 524:86; 56:330.
DECABORON TETRADECAHYDRIDE, (DECABORANE) 524:86; 56:330.
DECAHYDRONAPHTHALENE, 525:86; 57:330.
DECALIN, (DECAHYDRONAPHTHALENE) 525:86.
DECANE-1, 10-DIAMINE 2HCl, 526:86.
DECAPRYN SUCCINATE, 527:86.
DECICAIN, (PANTOCAINE) 1487:220.
DECLID, (UNDECYLENIC ACID) 2055:310.
DECYLTHIOCYANATE, 528:86.
DEGUELIA ROOT, (DERRIS ROOT) 532:88.
DEHYDROACETIC ACID, 529:88.
DEKALIN, (DECAHYDRONAPHTHALENE) 525:86; 57:330.
DEKRYSIL, (4, 6-DINITRO-o-CRESOL) 757:116.
DELVINAL, 530:88.
DEMEROL HCl, 531:88.
DERRIS ROOT, 532:88.
DESACETYL-TANGHININ, 533:88.
DESEPTYL, (SULFANILAMIDE) 1901:288.
DESGLUCO-CHEIROSIDE A, 534:88.
DESGLUCO-HELLEBROL, 535:88.
DESGLUCO-TRANSVAALIN, 536:88.
DESOXYCORTICOSTERONE, 537:88.
D-DESOXYEPHEDRINE HCl, (METHEDRINE) 1248:188.
DESOXYFED, (METHEDRINE) 1248:188.
DESOXYN, (METHEDRINE) 1248:188.
DETAL, (4, 6-DINITRO-o-CRESOL) 757:116.
DEXOVAL, (METHEDRINE) 1248:188.
DEXTROROTATORY METHADONE HCl, (D-METHADONE HCl) 1243:186.
DEXTROSE, (GLUCOSE) 977:150.
DFDT, 538:88.
DFP, (DIISOPROPYL FLUOROPHOSPHATE) 665:106; 88:332, 334.
DIACETIN, 539:90.
DIACETONE ALCOHOL, 540:90.
1, 1-DIACETOXYPROPENE-2, 541:90; 58:330.
DI-(p-ACETYLAMINOPHENYL)SULFONE, (RODILONE) 1741:260.

DIACETYLCHOLINE, 542:90.
DI-(ACETYLCYANIDE), 543:90; 59:330.
α-β- DIACETYLETHANE, (2, 5-HEXANEDIONE) 139:338.
DIACETYLMETHANE, (2,4-PENTANEDIONE) 199:346.
DIACETYLMORPHINE, (HEROIN) 1012:154.
DIAGNORENOL, (SKIODAN) 1787:268.
DIAL, 544:90.
DIALLYL ACETIC ACID, 545:90.
DIALLYL BARBITURIC ACID, (DIAL) 544:90.
DIALLYL ETHER, 546:90.
DIALLYL MALEATE, 547:90.
DIALLYL PHTHALATE, 548:90.
4, 4'-DIAMIDINOSTILBENE, 549:90.
DIAMIDOGEN SULFATE, (HYDRAZINE SULFATE) 1047:160.
DIAMINE BLUE, (TRYPAN BLUE) 2046:308.
DIAMINE HYDRATE, (HYDRAZINE HYDRATE) 1046:160.
DIAMINE SULFATE, (HYDRAZINE SULFATE) 1047:160.
m-DIAMINOBENZENE, (m-PHENYLENEDIAMINE) 1556:232.
o-DIAMINOBENZENE, (o-PHENYLENEDIAMINE) 1557:232.
p-DIAMINOBENZENE, (p-PHENYLENEDIAMINE) 1558:232.
3, 6-DIAMINOCARBAZOLE 2HCl, 550:90.
3, 3'-DIAMINO-4, 4'-DIHYDROXYARSENOBENZENE 2HCl, (ARSPHENAMINE) 190:32.
p-DIAMINODIPHENYL, (BENZIDINE) 231:42.
1, 2-DIAMINOETHANE, (ETHYLENEDIAMINE) 882:134; 117:336.
2, 5-DIAMINO-7-ETHOXYACRIDINE, (RIVANOL) 1739:260.
6, 9-DIAMINO-2-ETHOXYACRIDINE, (RIVANOL) 1739:260.
3, 6-DIAMINOMETHYLACRIDINIUM CHLORIDE, (ACRIFLAVINE) 53:12.
DIAMINON HCl, (DL-METHADONE HCl) 1244:186.
DIAMYLPHENOL, 551:90.
2, 6-DIAMINO-3-PHENYLAZOPYRIDINE HCl, (PYRIDIUM) 1693:252.
DIAMINOTOLUENE, (TOLUENEDIAMINE) 1985:300.
DIANIL BLUE, (TRYPAN BLUE) 2046:308.
DIANISYL-mono-PHENETHYLGUANIDINE HCl, (ACOIN) 46:10.
2, 2-DI-p-ANISYL-1, 1, 1-TRICHLOROETHANE, (METHOXYCHLOR) 1253:188.
DIATRAST, (DIODRAST) 766:118.
DIATRIN HCl, 552:90.
DIAZINON, 553:90.
DIBENAMINE, 554:90.
DIBENZAZEPINE, 555:90.
9-DIBENZO-[b, d]-PYRROLE, (CARBAZOLE) 365:60.
DIBENZOTHIAZINE, (PHENOTHIAZINE) 1525:228.
N, N'-DIBENZYLETHYLENEDIAMINE 2HCl, 556:92.
N-DIBENZYLPHENOXYETHYL-β- CHLOROETHYLAMINE, (DIBENAMINE) 554:90.
DIBORANE, 60:330.
DIBORON HEXAHYDRIDE, (DIBORANE) 60:330.
1, 4-DIBROMO-2-BUTANE, 557:92.
1, 4-DIBROMOBUTENE, 558:92.
5, 5'-DIBROMO-2, 2'-DIHYDROXYBENZYL, (DIBROMOSALICYL) 559:92.
1, 1-DIBROMOETHANE, 61:330.
2, 7-DIBROMO-4-HYDROXYMERCURIFLUORESCEIN, (MERCUROCHROME) 1235:184.
DIBROMOHYDROXYMERCURIFLUORESCEIN DISODIUM, (MERCUROCHROME) 1235:184.
DIBROMOSALICYL, 559:92.
DIBUCAINE, (NUPERCAINE) 1461:216.
1, 1-DIBUTOXYETHANE, 560:92.
1, 2-DIBUTOXYETHANE, 561:92.
DIBUTYL ADIPATE, 562:92.
n-DIBUTYLAMINE, 563:92; 62:330.
DIBUTYLAMINOETHANOL, 564:92.
DIBUTYLAMINOPROPYL-p-AMINOBENZOATE SULFATE, (BUTYN SULFATE) 343:54.
DIBUTYL FUMARATE, 565:92.
2-DI-n-BUTYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 566:92.
DIBUTYL PHOSPHITE, 567:92.
DIBUTYL PHTHALATE, 568:92.
DIBUTYL SEBACATE, 569:92.
S-(1, 2-DICARBETHOXYETHYL)-O, O-DIMETHYLDITHIOPHOSPHATE, (MALATHION) 1215:182.
DICHLOREN, (METHYL-BIS(β-CHLOROETHYL)-AMINE HCl)1294:192.
DI-CHLORICIDE, (p-DICHLOROBENZENE) 574:92.
2, 2'-DICHLOROACETIC ACID, 570:92.
2, 2'-DICHLOROACETYL CHLORIDE, 571:92; 63:330.
β-DICHLOROACRYLONITRITE, 572:92.
o-DICHLOROBENZENE, 573:92.
p-DICHLOROBENZENE, 574:92.
1, 1-DICHLORO-2, 2-BIS(p-CHLOROPHENYL)ETHANE, (DDD) 522:84.
1, 4-DICHLOROBUTENE-2, 575:92; 64:330.
2, 2'-DICHLORODIETHYL SULFIDE, (MUSTARD GAS) 1406:206, 208; 186:344.
DICHLORODIPHENYLDICHLOROETHANE, (DDD) 522:84.
p, p'-DICHLORODIPHENYLMETHYLETHER of DIMETHYLAMINOETHANOL, 576:92.
DICHLORODIPHENYLTRICHLORETHANE, (DDT) 523:86.
1, 1-DICHLOROETHANE, 577:92; 65:330.
1, 2-DICHLOROETHANE, 578:92, 94; 66:330.
sym.-DICHLOROETHANE, (1, 2-DICHLOROETHANE) 578:92, 94; 66:330.
DI-(2-CHLOROETHOXY)METHANE, 67:330.
2, 2'-DICHLOROETHOXYMETHANE, 579:94.
1, 2-DICHLOROETHYL ACETATE, 68:330.
DICHLOROETHYLENE, 69:330.
1, 2-DICHLORETHYLENE, (ETHYLENE DICHLORIDE) 883:134.
β-β'- DICHLOROETHYL ETHER, (2, 2'-DICHLOROETHYL ETHER) 580:94; 70:332.
2, 2'-DICHLOROETHYL ETHER, 580:94; 70:332.
sym.-DICHLOROETHYL ETHER, (2, 2'-DICHLOROETHYL ETHER) 580:94; 70:332.
β, β'- DICHLOROETHYL SULFIDE, (MUSTARD GAS) 1406:206, 208; 186:344.
2, 2'-DICHLOROISOPROPYL ETHER, 581:94; 71:332.
DICHLOROMETHANE, 582:94; 72:332.
2, 2-DICHLORO-N-METHYLDIETHYLAMINE HCl, (METHYL-BIS(CHLOROETHYL)AMINE HCl) 1294:192.
DICHLORO-β- NAPHTHOL, 583:94.
2, 3-DICHLORO-1, 4-NAPHTHOQUINONE, (PHYGON) 1600:236.
1, 1-DICHLORO-1-NITROETHANE, 584:94.
1, 1-DICHLORO-1-NITROMETHANE, 73:332.
2, 4-DICHLOROPHENOL-1, 585:94.
(2, 4-DICHLOROPHENOXY)ACETIC ACID SODIUM SALT, (2, 4-D) 521:84.
DICHLOROPHENOXYETHANEDIOL, 586:94.
1, 1-DICHLOROPROPANE, 587:94.
1, 2-DICHLOROPROPANE, 588:94; 74:332.
2, 3-DICHLOROPROPANOL, 589:94; 75:332.
2, 3-DICHLOROPROPIONALDEHYDE, 590:94; 76:332.
3, 9-DICHLOROPROPYLENEBENZAZEPINE, 591:94.

p-(N,N-DICHLOROSULFAMYL)BENZOIC ACID, (HALAZONE) 990:152.
γ-DICHROINE, 592:94.
DICODID(E) (base), 593:94.
DICOUMARAL, (DICUMAROL) 595:96.
DICOUMARIN, (DICUMAROL) 595:96.
DI-o-CRESYLPHOSPHATE, 594:94, 96.
DICUMAROL, 595:96.
DICYAN, 596:96.
DI-(2-CYANOETHYL)AMINE, 597:96.
DI-(2-CYANOETHYL)SULFIDE, 598:96.
DICYCLOMINE HCl, (BENTYL HCl) 222:40.
DIDAKENE, (TETRACHLOROETHYLENE) 1930:29, 292; 220:350.
p-DI-β-DIETHYLAMINOETHOXYBENZENE DIETHIODIDE, 599:96.
p-DI-β-DIMETHYLAMINOETHOXYBENZENE DIETHIODIDE, (DIETHAMINE) 604:96.
DI-2,5-DIMETHYLPHENOXYETHYL-β-CHLOROETHANOLAMINE, 600:96.
DI-3,5-DIMETHYLPHENOXYETHYL-β-CHLOROETHYLAMINE, 601:96.
DIELDRIN, 602:96.
1,2,3,4-DIEPOXYBUTANE, 603:96.
DIETHAMINE, 604:96.
DIETHANOLAMINE SALT of 3,5-DIIODO-4-PYRIDONE-N-ACETIC ACID, (DIODRAST) 766:118.
DIETHAZINE BASE, (DIPARCOL (base)) 771:118, 120.
DIETHOXYCHLOROSILANE, 77:332.
DIETHOXY ESTER of 7-HYDROXYCOUMARIN, (POTASAN) 1631:240.
1,1-DIETHOXYETHANE, (ACETAL) 3:6; 1:322.
1,2-DIETHOXYETHANE, 605:96; 78:332.
DIETHOXYPHOSPHORIC ACID ESTER of 7-HYDROXY-4-METHYLCOUMARIN, (POTASAN) 1631:240.
DIETHOXYTHIOPHOSPHORIC ACID ESTER of 2-ETHYLMERCAPTOETHANOL (tech. grade) 606:96.
DIETHOXYTHIOPHOSPHORIC ACID ESTER of 7-HYDROXY-4-METHYLCUMARIN, (E 838) 797:122.
DIETHYLACETAL, (ACETAL) 3:6; 1:322.
DIETHYLAMINE, 607:96; 79:332.
α-DIETHYLAMINO-2,6-ACETOXYLIDINE, (XYLOCAINE) 2101:314.
DIETHYLAMINOCARBETHOXYBICYCLOHEXYL HCl, (BENTYL HCl) 222:40.
O-DIETHYLAMINO-2,6-DIMETHYLACETANILIDE, (XYLOCAINE) 2101:314.
3-DIETHYLAMINO-2,2-DIMETHYLPROPYL-p-AMINOBENZOATE HCl, (LAROCAINE) 1170:174.
3-DIETHYLAMINO-1,1-DI-(2'-THIENYL)BUTANE HCl, 608:96.
3-DIETHYLAMINO-1,1-DI-(2'-THIENYL)BUTENE HCl, 609:96.
DIETHYLAMINOETHANOL-α-ALLYLDIPHENYLACETATE HCl, 610:98.
1-DIETHYLAMINOETHYLAMINO-4-METHYLTHIOXANTHONE HCl, (MIRACIL D) 1390:204.
α-[N-(S-DIETHYLAMINOETHYL)]-AMINOPHENYLACETIC ISOAMYL ESTER HCl, (AVACAN) 199:34.
DIETHYLAMINOETHYLBENZAZEPINE, 611:98.
N-DIETHYLAMINOETHYL CHLORIDE, 612:98.
β-DIETHYLAMINOETHYLCUMATE HCl, 613:98.
β-DIETHYLAMINOETHYL-9,10-DIHYDROANTHRACENE-9-CARBOXYLATE HCl, 614:98.
N-(β-DIETHYLAMINOETHYL)-2-OXYBUTYLCINCHONAMIDE, (NUPERCAINE) 1461:216.
10-(2-DIETHYLAMINOETHYL)PHENOTHIAZINE, (DIPARCOL (base)) 771:118, 120.
2-DIETHYLAMINOETHYL-α-PHENYLCYCLOHEXANE ACETATE HCl, (TRASENTINE) 1994:302.
DIETHYLAMINOETHYL-1-PHENYLCYCLOPENTANE-1-CARBOXYLATE HCl, (PARPANIT) 1496:222.
N-(DIETHYLAMINOETHYL)THIOPHENYLAMINE, (DIPARCOL (base)) 771:118, 120.
β-DIETHYLAMINOETHYL-9-XANTHENECARBOXYLATE METHOBROMIDE, (BANTHINE BROMIDE) 212:36.
β-DIETHYLAMINOETHYL-9-XANTHENECARBOXYLATE METHOCHLORIDE, (BANTHINE CHLORIDE) 213:36.
n-DIETHYLAMINOISOPENTYL-8-AMINO-6-METHOXYQUINOLINE, (PLASMOQUINE) 1619:238, 240.
DIETHYLAMINOMETHYLBENZODIOXAN, 615:98.
DIETHYLAMINONEOPENTYL ALCOHOL HCl, p-AMINOBENZOATE of, (LAROCAINE) 1170:174.
γ-DIETHYLAMINOPROPYLCINNAMATE HCl, (APOTHESINE) 180:30.
DIETHYLAMINOPROPYLCUMATE HCl, 616:98.
2-DIETHYLAMINO-1-PROPYL-N-DIBENZOPARA THIAZINE, (PARSIDOL (base)) 1497:222.
10-(2-DIETHYLAMINO-1-PROPYL)PHENOTHIAZINE, (PARSIDOL (base)) 1497:222.
DIETHYLAMMONIUM-p-AMINOBENZOATE, 617:98.
5,5-DIETHYLBARBITURIC ACID, (BARBITAL) 214:36.
DIETHYL-BIS(DIMETHYLAMIDO)PYROPHOSPHATE (asymmetric), 618:98.
DIETHYL-BIS(DIMETHYLAMIDO)PYROPHOSPHATE (symmetric) 619:98.
DIETHYLCARBAMAZINE; (HETRAZAN) 1015:156.
1-DIETHYLCARBAMYL-4-METHYLPIPERAZINE HCl, (HETRAZAN) 1015:156.
DIETHYL CARBINOL, (3-PENTANOL) 1512:224.
DIETHYL-β-CHLOROETHYLAMINE, 620:98.
DIETHYL-2-CHLOROVINYL PHOSPHATE, 621:98, 100; 80:332.
1,4-DIETHYLENE DIOXIDE, (1,4-DIOXANE) 769:118; 98:334.
DIETHYLENE GLYCOL, 622:100.
DIETHYLENE GLYCOL ETHYL ETHER, 623:100.
DIETHYLENE GLYCOL MONOBUTYL ETHER, (BUTYLCARBITOL) 324:52.
DIETHYLENE GLYCOL MONOBUTYL ETHER ACETATE, 624:100.
DIETHYLENE GLYCOL MONOETHYL ETHER, (CARBITOL) 366:60.
DIETHYL ETHER, (ETHER) 834:130; 104:334, 336.
DIETHYL FLUOROPHOSPHATE, 81:332.
DI-(2-ETHYLHEXYL)AMINE, 625:100.
DI-(2-ETHYLHEXYL)PHTHALATE, 626:100.
2,2-DIETHYL-4-HYDROXYMETHYL-1,3-DIOXOLANE, 627:100.
DIETHYL KETONE, 628:100; 82:332.
N-DIETHYLLEUCINOL ESTER of p-AMINOBENZOIC ACID, METHANESULFONIC SALT of, (PANTHESIN) 1486:220.
N,N-DIETHYL-4-METHYL-1-PIPERAZINECARBOXAMIDE HCl, (HETRAZAN) 1015:156.
N,N-DIETHYLNICOTINAMIDE, (CORAMINE) 471:76.
DIETHYL-p-NITROPHENYL PHOSPHATE (MINTACOL) 1389:204.
O,O-DIETHYL-p-NITROPHENYL PHOSPHATE, (PARATHION) 1494:222.
O-s-DIETHYL-O-(p-NITROPHENYL)PHOSPHATE, 629:100.
O,O-DIETHYL-s-(p-NITROPHENYL)PHOSPHATE, 630:100.
DIETHYL-p-NITROPHENYLTHIOPHOSPHATE, 631:100.
O,O-DIETHYL-O-p-NITROPHENYL THIOPHOSPHATE, (PARATHION) 1494:222.

DIETHYL OXIDE, (ETHER) 834:130; 104:334, 336.
DIETHYL PHTHALATE, 632:102.
2,2-DIETHYL-1,3-PROPANDIOL, 633:102.
α,α'- DIETHYLSTILBENEDIOL, (DIETHYLSTILBESTROL) 634:102.
DIETHYLSTILBESTROL, 634:102.
N,N-DIETHYLSUCCINAMIDE-n-PROPYL ESTER, 635:102.
DIETHYL SUCCINATE, 636:102.
DIETHYL SULFATE, 637:102; 83:332.
DIETHYLSULFONEDIMETHYLMETHANE, (SULFONAL) 1907:288.
N,N-DIETHYLTHYMYLOXYACETAMIDINE HCl, 638:102.
1,1-DIFLUORO-1,2-DIBROMOETHANE, 84:332.
DIFLUORODIPHENYLTRICHLOROETHANE, (DFDT) 538:88.
1,1-DIFLUOROETHANE, 85:332.
1,1-DIFLUOROETHYLENE, 86:332.
DIFORMYL, (GLYOXAL) 984:152.
DIGILANID, 639:102.
DIGISIDIN, (DIGITOXIN) 644:102, 104.
DIGITALEIN, 640:102.
DIGITALIN, 641:102.
DIGITALIN, SCHMIEDEBERG'S, (DIGITALIN) 641:102.
DIGITALINUM VERUM, (DIGITALIN) 641:102.
DIGITIN, (DIGITONIN) 642:102.
DIGITONIN, 642:102.
DIGITOXIGONIN, 643:102.
DIGITOXIN, 644:102, 104.
DIGITOXOSIDE, 645:104.
DIGLYCOL CHLORHYDRINE, 646:104.
DIGOXIN, 647:104.
DIHEXYLAMINE, 648:104.
1,2-DIHYDRAZINOPHTHALAZINE, 649:104.
DIHYDROCODEINONE, (DICODID(E) (base)) 593:94.
DIHYDROERGOTAMINE, 650:104.
DIHYDROERYTHROIDENE, 651:104.
DIHYDRO-β-ERYTHROIDINE, 652:104.
3,4-DIHYDROHARMINE, (HARMALINE) 991:152.
DIHYDROHYDROXYCODEINONE HCl, (EUCODAL) 919:138.
3,4-DIHYDRO-2-METHOXY-2-METHYL-4-PHENYL-2,5-PYRANO[3,2-c][1]BENZOPYRAN-5-ONE, (4-HYDROXYCOUMARIN) 1060:162.
3,4-DIHYDRO-7-METHOXY-1-METHYL-9-PYRID[3,4-b]INDOLE, (HARMALINE) 991:152.
DIHYDROMORPHINE HCl, 653:104.
DIHYDROMORPHINONE HCl, (DILAUDID HCl) 671:106.
1,2-DIHYDRO-3,6-PYRIDAZINEDIONE, (MALEIC HYDRAZIDE) 1216:182.
2,5-DIHYDROPYRROLE, (PYRROLINE) 1703:254.
DIHYDROROTENONE, 654:104.
m-DIHYDROXYBENZENE, (RESORCINOL) 1734:258, 260.
p-DIHYDROXYBENZENE, (HYDROQUINONE) 1052:160, 162.
2,3-DIHYDROXYBUTANE, (BUTYLENE GLYCOL) 327:52.
β,β'- DIHYDROXY-DIETHYL ETHER, (DIETHYLENE GLYCOL) 622:100.
4,4'-DIHYDROXY-α-β- DIETHYLSTILBENE, (DIETHYLSTILBESTROL) 634:102.
3,4-DIHYDROXY-α-(DIMETHYLAMINOETHYL)-BENZYL ALCOHOL, (METHADREN(E)) 1246:188.
D(+)-N(α,γ-DIHYDROXY-β-β-DIMETHYLBUTYRYL)-β-ALANINE, (PANTOTHENIC ACID) 1488:220.
6-(N-α-γ-DIHYDROXY)β,β-DIMETHYLBUTYRYL-β-ALANINE, (PANTOTHENIC ACID)1488:220.
DIHYDROXYEPHEDRINE, 655:104.
DIHYDROXYFLUORANE, (FLUORESCEIN) 935:142.
2,6-DIHYDROXY-4-METHOXYBENZOPHENONE, (COTOIN(E)) 479:78.
3,4-DIHYDROXY-α-(METHYLAMINOMETHYL)-BENZYL ALCOHOL, (EPINEPHRINE) 808:124, 126.
1,2-DIHYDROXY-3-(2-METHYLPHENOXY)PROPANE, (MYANESIN) 1407:208.
α-(3,4-DIHYDROXYPHENYL-β-DIMETHYLAMINOETHANOL, (METHADREN(E)) 1246:188.
α-(3,4-DIHYDROXYPHENYL-α-HYDROXY-β-DIMETHYLAMINOETHANE, (METHADREN(E)) 1246:188.
1-α-3,4-DIHYDROXYPHENYL-β-METHYLAMINOETHANOL, (EPINEPHRINE) 808:124, 126.
2,4-DIHYDROXYPHENYLPROPANOLAMINE, 656:104.
3,4-DIHYDROXYPHENYLPROPANOLAMINE, 657:104.
(2,5-DIHYDROXYPHENYL)TRIMETHYLAMMONIUM BROMIDE, 658:104.
DIISOBUTYLCARBINOL, 659:104.
DIISOBUTYLENE OXIDE, 660:104.
2,2-DIISOBUTYL-4-HYDROXYMETHYL-1,3-DIOXOLANE, 661:104.
DIISOBUTYL KETONE, 662:104; 87:332.
DI-ISOBUTYLPHENOXY-ETHOXYETHYL-DIMETHYLBENZYLAMMONIUM CHLORIDE, (HYAMINE 1622) 1041:160.
1,2-DIISOPROPOXY-2-PROPANOLGLYCERYL-α-γ-DIISOPROPYLETHER, 663:104.
DIISOPROPYLAMINE, 664:106.
DIISOPROPYL ETHER, (ISOPROPYL ETHER) 157:342.
DIISOPROPYL FLUOROPHOSPHATE, 665:106; 88:332, 334.
α,γ-DIISOPROPYLGLYCERYL ETHER, 666:106.
2,2-DIISOPROPYL-4-HYDROXYMETHYL-1,3-DIOXOLANE, 667:106.
DI-2-ISOPROPYL-5-METHYLPHENOXYETHYL-β-CHLOROETHYLAMINE, 668:106.
DIISOPROPYL TARTRATE, 669:106.
DILANTIN, 670:106.
DILAUDID HCl, 671:106.
2,3-DIMERCAPTO-1-PROPANOL, (BAL) 211:36.
1,1-DIMETHOXYETHANE, 672:108; 89:334.
6,7-DIMETHOXY-1-(4'-ETHOXY-3'-METHOXYBENZYL)-3-METHYLISOQUINOLINE, 673:108.
DIMETHOXYMETHANE, (METHYLAL) 166:342.
5,8-DIMETHOXY-2-METHYL-4',5'-FURO-6,7-CHROMONE, (VISAMMIN) 2088:314.
DI-2-METHOXYPHENOXYETHYL-β-CHLOROETHYLAMINE, 674:108
3,4-DIMETHOXYPHENYLETHYLAMINE, 675:108.
6,7-DIMETHOXY-1-VERATRYLISOQUINOLINE, (PAPAVERINE) 1489:220.
DIMETHYLACETAL, (1,1-DIMETHOXYETHANE) 672:108; 89:334.
DIMETHYL ACETONE, (DIETHYL KETONE) 628:100; 82:332.
DIMETHYLAMINE, 676:108.
2-DIMETHYLAMINOBENZIMIDAZOLE, 677:108.
2-DIMETHYLAMINOBENZOTHIAZOLE, 678:108.
4,6-DIMETHYL-2-AMINOBENZOTHIAZOLE, (6-METHYL-2-AMINOBENZOTHIAZOLE, 4-METHYL) 1273:190.
(6-DIMETHYLAMINO-2-[2-(2,5-DIMETHYL-1-PHENYL-3-PROPYL)-VINYL]-1-METHYLQUINOLINIUM CHLORIDE, (CYANINE No. 715) 494:82.
4-DIMETHYLAMINO-1,5-DIMETHYL-2-PHENYL-3-PYRAZOLONE, (AMINOPYRINE) 118:20.
3-DIMETHYLAMINO-1,2-DIMETHYLPROPYL-p-AMINOBENZOATE HCl, (TUTOCAINE HCl) 2050:308.
3-DIMETHYLAMINO-1,1-DIPHENYL-1-BUTANOL, 679:108.

L-3-DIMETHYLAMINO-1, 1-DIPHENYLBUTYL-ETHYLSULFONE, 680:108.
6-DIMETHYLAMINO-4, 4-DIPHENYL-3-HEPTANOL, 681:108.
5-DIMETHYLAMINO-4, 4-DIPHENYL-3-HEPTANONE, (ISOAMIDONE I) 1119:168.
D-6-DIMETHYLAMINO-4, 4-DIPHENYL-3-HEPTANONE, 682:108.
DL-6-DIMETHYLAMINO-4, 4-DIPHENYL-3-HEPTANONE, 683:108.
L-6-DIMETHYLAMINO-4, 4-DIPHENYL-3-HEPTANONE, 684:108.
7-DIMETHYLAMINO-4, 4-DIPHENYL-3-HEPTANONE, 685:108.
6-DIMETHYLAMINO-4, 4-DIPHENYLHEPTANONE-3-ACETYLIMINE, 686:108.
D-6-DIMETHYLAMINO-4, 4-DIPHENYL-3-HEPTANONE HCl, (D-METHADONE HCl) 1243:186.
DL-6-DIMETHYLAMINO-4, 4-DIPHENYL-3-HEPTANONE HCl, (DL-METHADONE HCl) 1244:186.
L-6-DIMETHYLAMINO-4, 4-DIPHENYL-3-HEPTANONE HCl, (L-METHADONE HCl) 1245:188.
6-DIMETHYLAMINO-4, 4-DIPHENYL-3-HEPTANONE METHOCHLORIDE, 687:108.
6-DIMETHYLAMINO-4, 4-DIPHENYL-3-HEPTANYL ACETATE, (ACETYLMETHADOL) 41:10.
6-DIMETHYLAMINO-4, 4-DIPHENYL-2-HEPTENE, 688:108.
6-DIMETHYLAMINO-4, 4-DIPHENYL-3-HEXANONE, 689:108.
3-DIMETHYLAMINO-1, 1-DIPHENYL-3-METHYLBUTANE, 690:108.
4-DIMETHYLAMINO-2, 2-DIPHENYL-3-METHYLBUTANOATE ETHYLESTER, 691:108.
4-DIMETHYLAMINO-2, 2-DIPHENYL-3-METHYLBUTYRONITRILE, 692:108.
6-DIMETHYLAMINO-4, 4-DIPHENYL-5-METHYL-3-HEXANOL, 693:110.
D-6-DIMETHYLAMINO-4, 4-DIPHENYL-5-METHYL-3-HEXANONE, 694:110.
DL-6-DIMETHYLAMINO-4, 4-DIPHENYL-5-METHYL-3-HEXANONE, 695:110.
L-6-DIMETHYLAMINO-4, 4-DIPHENYL-5-METHYL-3-HEXANONE, 696:110; also see 1132:170 (L-ISOMETHADONE)
6-DIMETHYLAMINO-4, 4-DIPHENYL-5-METHYLHEXANONE-3-ACETYLIMINE, 697:110.
6-DIMETHYLAMINO-4, 4-DIPHENYL-5-METHYLHEXANONE-3-KETIMINE, 698:110.
6-DIMETHYLAMINO-4, 4-DIPHENYL-5-METHYL-3-HEXANONE METHOCHLORIDE, 699:110.
3-DIMETHYLAMINO-1, 1-DIPEHNYL-3-METHYLPROPANE, 700:110.
3-DIMETHYLAMINO-1, 1-DIPHENYL-2-METHYL-1-PROPANOL, 701:110.
4-DIMETHYLAMINO-2, 2-DIPHENYLPENTANOATE ETHYLESTER, 702:110.
4-DIMETHYLAMINO-2, 2-DIPHENYLPENTANOATE ISOPROPYLESTER, 703:110.
4-DIMETHYLAMINO-2, 2-DIPHENYLPENTANOATE METHYLESTER, 704:110.
4-DIMETHYLAMINO-2, 2-DIPHENYLVALERONITRILE, 705:110.
3-DIMETHYLAMINO-1, 1-DI-(2'-THIENYL)BUTANE, 706:110.
3-DIMETHYLAMINO-1, 1-DI-(2'-THIENYL)BUTENE, 707:110.
1-(β-DIMETHYLAMINOETHOXY)-3-n-BUTYLISOQUINOLINE HCl, (QUOTANE) 1732:258.
2-[α-(2-DIMETHYLAMINOETHOXY)-α-METHYLBENZYL]-PYRIDINE SUCCINATE, (DECAPRYN SUCCINATE) 527:86.
β-DIMETHYLAMINOETHYLBENZHYDRYL ETHER HCl, (BENADRYL), 220:38, 40.
2-[α(2-DIMETHYLAMINOETHYL)BENZYL]-PYRIDINE, (TRIMETON) 2036:306.
β-DIMETHYLAMINOETHYLCUMATE, 708:110.
2-DIMETHYLAMINOETHYL ESTER of p-BUTYLAMINOBENZOIC ACID, the hydrochloride of, (PANTOCAINE) 1487:220.
2-[2-DIMETHYLAMINOETHYL(p-METHOXYBENZYL) AMINO]PYRIDINE HCl, (NEOANTERGAN HCl), 1418:210.
2-[(2-DIMETHYLAMINOETHYL)(p-METHOXYBENZYL)AMINO]PYRIMIDINE HCl, (NEOHETRAMINE HCl) 1422:210.
2(N-DIMETHYLAMINOETHYL-N-p-METHOXYBENZYL)AMINOPYRIMIDINE MONO-HCl, (NEOHETRAMINE HCl) 1422:210.
p-(2-DIMETHYLAMINOETHYL)PHENOL SULFATE, (HORDENINE SULFATE) 1040:159.
2-[2-(DIMETHYLAMINOETHYL)-2-THENYLAMINO] -PYRIDINE, (HISTADYL (base)) 1037:158.
2-[(2-DIMETHYLAMINOETHYL)-3-THENYLAMINO] -PYRIDINE, (THENFADIL) 1960:294, 296.
DL-1-DIMETHYLAMINO-2-METHYL-3, 3-DIPHENYL-4-HEXANONE, (DL-ISOMETHADONE) 1131:170.
L-1-DIMETHYLAMINO-2-METHYL-3, 3-DIPHENYL-4-HEXANONE, (L-ISOMETHADONE) 1132:170.
N-DIMETHYLAMINO-2-METHYLETHYLTHIODIPHENYLAMINE HCl, (PHENERGAN HCl) 1522:228.
α-(DIMETHYLAMINOMETHYL)PROTOCATECHUYL ALCOHOL, (METHADREN(E)) 1246:188.
10-(1-DIMETHYLAMINO-2-PROPYL)PHENOTHIAZINE, (LERGIGAN) 1193:178.
1, 3-DIMETHYLAMYLAMINE, (4-METHYL-2-HEXYLAMINE) 1328:196.
DIMETHYLARSINIC ACID, (CACODYLIC ACID) 348:56.
DIMETHYLBENZENE, (XYLENE) 2096, 2097, 2098: 314; 241:352; 242:352; 243:352.
N, N-DIMETHYL-N'-BENZYL-N'-(α-AMINOPYRIMIDYL)ETHYLENEDIAMINE HCl, (HETRAMINE) 1014:156.
N, N-DIMETHYL-N'-BENZYL-N'-(α-PYRIDYL)-ETHYLENEDIAMINE; (PYRIBENZAMINE) 1691:252.
3, 3-DIMETHYL-2-BUTANONE, (PINACOLIN) 1610:238.
DIMETHYLCARBINOL, (ISOPROPYL ALCOHOL) 1140:170, 172; 155:340.
DIMETHYL-BIS-β-CHLOROETHYLAMMONIUM CHLORIDE, 709:110.
N, N'-DIMETHYL-N, N'-BIS-(β-CHLOROETHYL)-PIPERAZINIUM DICHLORIDE, 710:110.
DIMETHYL-1-CARBOMETHOXY-1-PROPEN-2-YL PHOSPHATE, 711:110, 112; 90:334.
N, N'-DIMETHYL-2-CHLORO-2-PHENYLETHYLAMINE, 712:112.
4, 6-DIMETHYLCOUMALIN, 713:112.
DIMETHYLCYCLOHEXANE, 91:334.
N-α-DIMETHYLCYCLOPENTANEËTHYLAMINE HCl, (DL-1-CYCLOHEXYL-2-METHYLAMINOPROPANE HCl) 514:84.
2, 6-DIMETHYL-1, 1-DIETHYLPIPERIDINIUM BROMIDE, 714:112.
DIMETHYLDIETHYLPYROPHOSPHATE, 715:112.
DIMETHYLDIISOPROPYLPYROPHOSPHATE, 716:112.
DIMETHYLDIOXANE, 717:112.
o-m'-DIMETHYLDIPHENYLMETHYLETHER of β-DIMETHYLAMINOETHANOL, 718:112.

DIMETHYL DISULFIDE 92:334.
O, O-DIMETHYLDITHIOPHOSPHATE of DIETHYLMERCAPTOSUCCINATE, (MALATHION) 1215:182.
sym.-DIMETHYLETHYLENE, (BUTENE-2) 26:324.
DIMETHYLETHYLENE GLYCOL, (BUTYLENE GLYCOL) 327:52.
DIMETHYL FLUOROPHOSPHATE, 93:334.
DIMETHYLFORMAMIDE, 719:112.
DIMETHYLFURANE, 720:112.
2, 6-DIMETHYLHEPTANOL-4, 721:112.
2, 6-DIMETHYLHEPTANONE, (DIISOBUTYL KETONE) 662:104; 87:332.
2, 2-DIMETHYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 722:112.
(2, 4-DIMETHYL-3-HYDROXYPHENYL)TRIMETHYLAMMONIUM BROMIDE, 723:112.
(2, 4-DIMETHYL-5-HYDROXYPHENYL)TRIMETHYLAMMONIUM BROMIDE, 724:112.
O, O-DIMETHYL-O-(2-ISOPROPYL)-4-METHYLPYRIMIDYL-[6] THIOSULFATE, (DIAZINON), 553:90.
N'-(3, 4-DIMETHYL-5-ISOXAZOLYL)SULFANILAMIDE, LITHIUM SALT, (GANTRISIN LITHIUM) 965:148.
N'-(3, 4-DIMETHYL-5-ISOXAZOLYL)SULFANILAMIDE, SODIUM SALT, (GANTRISIN SODIUM) 966:148.
DIMETHYL KETONE, (ACETONE) 22:8; 4:322.
N, N-DIMETHYL-N'-(p-METHOXYBENZYL)-N'-(2-PYRIMIDYL) ETHYLENEDIAMINE HCl, (NEOHETRAMINE HCl) 1422:210.
(3, 4-DIMETHYL-5-METHOXYPHENYL)TRIMETHYLAMMONIUM IODIDE, 725:112.
DIMETHYLNICOTINIUM DIIODIDE, 726:112.
DIMETHYL-p-NITROPHENYL PHOSPHATE, 727:112.
O, O-DIMETHYL-S-(p-NITROPHENYL)PHOSPHATE, 728:112, 114.
O, S-DIMETHYL-O-(p-NITROPHENYL)PHOSPHATE, 729:114.
DIMETHYL-p-NITROPHENYLTHIOPHOSPHATE, 730:114.
O, sym.-DIMETHYL-p-NITROPHENYLPHOSPHATE, 731:114.
O, O-DIMETHYLNITROPHENYL THIOPHOSPHATE, (DIMETHYLPARATHION) 732:114.
DIMETHYLOXYQUINAZINE, (ANTIPYRINE) 173:28.
DIMETHYLPARATHION, 732:114.
D-N, α-DIMETHYLPHENETHYLAMINE HCl, (METHEDRINE) 1248:188.
DIMETHYLPHENOL, (XYLENOL) 2099:314.
DI-2-METHYLPHENOXYETHYLAMINE, 733:114.
DI-2-METHYLPHENOXYETHYLAMINOETHANOL, 734:114.
DI-2-METHYLPHENOXYETHYL-β-CHLOROETHYLAMINE, 735:114.
DI-3-METHYLPHENOXYETHYL-β-CHLOROETHYLAMINE, 736:114.
DI-4-METHYLPHENOXYETHYL-β-CHLOROETHYLAMINE, 737:114.
3, 4-DIMETHYLPHENOXYETHYL-β-CHLOROETHYLAMINE, 738:114.
DI-2-METHYLPHENOXYETHYL-β-ETHANOLAMINE, 739:114.
3, 4-DIMETHYLPHENOXYETHYLBENZYL-β-CHLOROETHYLAMINE, 740:114.
3, 5-DIMETHYLPHENOXYETHYL-β-CHLOROETHYLAMINE, 741:114.
DI-2-METHYLPHENOXYETHYLETHYLAMINE, 742:114.
3, 4-DIMETHYLPHENOXYETHYLETHYL-β-CHLOROETHYLAMINE, 743:114.
2, 5-DIMETHYLPHENYLISOPROPYLAMINE, 744:114.
3, 4-DIMETHYLPHENYLISOPROPYLAMINE, 745:114.
1, 1-DIMETHYL-4-PHENYLPIPERAZINIUM IODIDE, 746:114.
DL-α-1, 3-DIMETHYL-4-PHENYL-4-PROPIONOXYPIPERIDINE HCl (cis form), (NISENTIL HCl) 1442:214.
1, 5-DIMETHYL-2-PHENYL-3-PYRAZOLONE, (ANTIPYRINE) 173:28.
N-DIMETHYL-9-PHENYL-2, 3, 4, 9-TETRAHYDROPYRIDINDENE TARTRATE, (LERGIGAN) 1193:178.
N, N-DIMETHYL-N'-PHENYL-N-(2-THIENYL)ETHYLENEDIAMINE HCl, (DIATRIN HCl) 552:90.
DI-2-METHYLPHENYLTHIOETHYL-β-CHLOROETHYLAMINE, 747:116.
DIMETHYL PHTHALATE, 748:116; 94:334.
2, 5-DIMETHYLPIPERAZINE, 749:116.
N, N'-DIMETHYL-4-PIPERIDYLIDENE-1, 1-DIPHENYLMETHANEMETHYLSULFATE, (PRANTAL) 1648:244.
N-DIMETHYL-N'-PYRIDYL-N'-CHLOROTHENYLETHYLENEDIAMINE, (TAGATHEN) 1913:290.
N, N-DIMETHYL-N'-(2-PYRIDYL)-N'-(5-CHLORO-2-THENYL)-ETHYLENEDIAMINE HCl, (TAGATHEN) 1913:290.
N, N-DIMETHYL-N'-(α-PYRIDYL)-N'-(2-METHYL-5-CHLOROTHENYL)-ETHYLENEDIAMINE HCl, (TAGATHEN) 1913:290.
N, N-DIMETHYL-N'-(α-PYRIDYL)-N'-(α-THENYL)-ETHYLENEDIAMINE HCl, (HISTADYL (base)) 1037:158.
DIMETHYL SELENIDE, 750:116.
4'-(DIMETHYLSULFAMYL)SULFANILANILIDE, (ULIRON) 2054:310.
3, 4-DIMETHYL-5-SULFANILAMIDOISOXAZOLE SODIUM, (GANTRISIN SODIUM) 966:148.
3, 4-DIMETHYL-5-SULFANILAMIDOISOXAZOLE LITHIUM, (GANTRISIN LITHIUM) 965:148.
N^1, N^1-DIMETHYL-N^4-SULFANILYLSULFANILAMIDE, (ULIRON) 2054:310.
DIMETHYL SULFATE, 751:116; 95:334.
DIMETHYL SULFIDE, 96:334.
2, 4-DIMETHYLSULFOLANE, 752:116.
DIMETHYLTETRAHYDROPHTHALATE, 753:116.
3, 5-DIMETHYLTETRAHYDROPYRONE-1, 4, 754:116; 97:334.
N, N-DIMETHYL-N'-(3-THENYL)-N'-(2-PYRIDYL)-ETHYLENEDIAMINE, (THENFADIL) 1960:294, 296.
N, N-DIETHYLTHYMYLOXYACETAMIDINE HCl, (SN 216) 1789:268.
N, N-DIMETHYLTHYMYLOXYACETAMIDINE HCl, 755:116; also see 1788:268 (SN 198).
DIMETHYLTOLUTHIONINE CHLORIDE, (TOLUIDINE BLUE) 1987:300.
1, 3-DIMETHYLXANTHINE, (THEOPHYLLINE) 1962:296.
3, 7-DIMETHYLXANTHINE, (THEOBROMINE) 1961:296.
N, N'-DI-β-NAPHTHYL-p-PHENYLENEDIAMINE, (AGERITE (WHITE)) 62:14.
p-DINITROBENZENE, 756:116.
4, 6-DINITRO-o-CRESOL, 757:116.
4, 6-DINITRO-o-CRESOL SODIUM, 758:116.
2, 4-DINITRO-6-CYCLOHEXYLPHENOL, 759:116.
2, 4-DINITRO-o-CYCLOHEXYLPHENOLDICYCLOHEXYLAMINE, 760:118.
3, 5-DINITRO-2-HYDROXYTOLUENE, (4, 6-DINITRO-o-CRESOL) 757:116.
DINITROL, (4, 6-DINITRO-o-CRESOL) 757:116.
2, 4-DINITRO-α-NAPHTHOL, 761:118.
α-DINITROPHENOL, (2, 4-DINITROPHENOL) 762:118.
2, 4-DINITROPHENOL, 762:118.
2, 4-DINITROTOLUENE, 763:118.
2, 6-DINITROTOLUENE, 764:118.

DIOCTANOL-2-PHTHALATE, 765:118.
DIODONE, (DIODRAST) 766:118.
DIODRAST, 766:118.
DIOLOXOL, (MYANESIN) 1407:208.
DIONIN, 767:118.
DIOXALANE, 768:118.
1, 4-DIOXANE, 769:118; 98:334.
1, 3-DIOXOLANE, 99:334.
4, 6-DIOXO-2-METHYLDIHYDROPYRAN, 770:118.
DIOXYMETHYLENE-PROTOCATECHUIC ALDEHYDE, (PIPERONAL) 1614:238.
DIPARALENE, (CHLORCYCLOZINE HCl) 395:64.
DIPARCOL (base), 771:118, 120.
DIPEGYL, (NICOTINAMIDE) 1434:212.
N, N'-DI-p-PHENETYLACETAMIDINE, (PHENACAINE HCl) 1520:228.
DIPHENHYDRAMINE HCl, (BENADRYL) 220:38, 40.
DIPHENOXYETHYLBENZYL-β-CHLOROETHYLAMINE, 772:120.
DIPHENOXYETHYL-β-CHLOROETHYLAMINE, 773:120.
DIPHENYL, (BIPHENYL) 267:46; 100:334.
DIPHENYL-BIS-AZONAPHTHIONIC ACID, (CONGO RED) 458:74.
α, α-DIPHENYL-γ-DIMETHYLAMINOVALERAMIDE HCl, 774:120.
α, α-DIPHENYL-γ-DIMETHYLAMINOVALERAMIDE METHYLIODIDE, 775:120.
DIPHENYLENEIMINE, (CARBAZOLE) 365:60.
DIPHENYLGUANIDINE, 776:120.
DIPHENYLHYDANTOIN SODIUM, (DILANTIN) 670:106.
DIPHENYLMETHYLETHER of β-METHYLAMINOETHANOL, 777:120.
DIPHENYLTHIOUREA, 778:120.
DIPROPAMINE, 779:120.
DIPROPYLBARBITURIC ACID, (PROPONAL) 1663:248.
DIPROPYLENE GLYCOL, 780:120.
DIPROPYLENE GLYCOL METHYL ETHER, 781:120.
2, 2-DI-n-PROPYL-4-HYDROXYMETHYL-1, 3-DIOXOLONE, 782:120.
DI-n-PROPYL-6, 7-METHYLENEDIOXY-3-METHYL-1, 2, 3, 4-TETRAHYDRONAPHTHALENE-1, 2-DICARBOXYLATE, (n-PROPYLISOME) 1679:250.
N, N-DIPROPYLSUCCINAMIC ACID ETHYL ESTER 783:120.
p-(DI-n-PROPYLSULFAMYL)BENZOIC ACID, (BENEMID) 221:40.
DISEPTAL, (ULIRON) 2054:310.
DISEPTAL A, (ULIRON) 2054:310.
DISODIUM 3, 3'-DIAMINO-4, 4'-DIHYDROXYARSENOBENZENEDIMETHYLENESULFONATE, (SULFARSPHENAMINE) 1904:288.
DISODIUM ETHYLENE-BIS-DITHIOCARBAMATE, (NABAM), 1410:208.
DISODIUM PHOSPHATE, 784:120.
DISPADOL, (DEMEROL HCl) 531:88.
DISULFIRAM, (ANTABUSE) 158:26.
DISULFUR DECAFLUORIDE, 785:120.
DI-(4-tert.-BUTYL-m-CRESOL)DISULFIDE, (SANTOWHITE) 1767:264.
2, 6-DI-tert.-BUTYL-4-METHYLPHENOL, (IONOL) 1115:168.
DITHANE, 786:120.
DITHANE D 14, 787:120.
DITHANE Z 78, 788:120.
DI-o-TOLUYLTHIOUREA, 789:120.
p-DI-3-TRIMETHYLAMINOPROPOXYBENZENE DIETHIODIDE, (DIPROPAMINE) 779:120.
DITROSOL, (4, 6-DINITRO-o-CRESOL) 757:116.
DIVARICOSIDE, 790:120.
DIVINYL, (1, 3-BUTADIENE) 23:324.
DIVINYLENE OXIDE, (FURAN) 132:338.
DIVINYLENE SULFIDE, (THIOPHENE) 1973:298; 224:350.
DIVINYLENIMINE, (PYRROLE) 1700:254.
DIVINYL ETHER, 101:334; also see 240:352 (VINYL ETHER)
DIVINYL OXIDE, (DIVINYL ETHER) 101:334.
DMDT, (METHOXYCHLOR) 1253:188.
DN, (4, 6-DINITRO-o-CRESOL) 757:116.
DN-111, (2, 4-DINITRO-o-CYCLOHEXYLPHENOL-DICYCLOHEXYLAMINE) 760:118.
DNOC, (4, 6-DINITRO-o-CRESOL) 757:116.
DOCEMINE, (VITAMIN B_{12}) 2090:314.
DODECAVITE, (VITAMIN B_{12}) 2090:314.
DODEX, (VITAMIN B_{12}) 2090:314.
DOLAN, 791:120.
DOLANTAL, (DEMEROL HCl) 531:88.
DOLANTIN, (DEMEROL HCl) 531:88.
DOLOPHIN HCl, (DL-METHADONE HCl) 1244:186.
D-DOLOPHIN HCl, (D-METHADONE HCl) 1243:186.
DL-DOLOPHIN(E) HCl, (DL-METHADONE HCl) 1244:186.
DOLOSAL, (DEMEROL HCl) 531:88.
DOLVONAL, (DEMEROL HCl) 531:88.
D. O. M. F., (MERCUROCHROME) 1235:184.
DORICO SOLUBLE, (HEXOBARBITAL) 1025:156.
DORMIRAL, (LUMINAL) 1204:180.
DORMISON, 792:120.
DORYL, (CARBAMYLCHOLINE CHLORIDE) 363:58.
DOWICIDE, 793:122.
DOXYLAMINE SUCCINATE, (DECAPRYN SUCCINATE) 527:86.
DRINALFA, (METHEDRINE) 1248:188.
DRINUPAL HCl, (PALUDRINE HCl) 1485:220.
DRISDOL, (VITAMIN D_2) 2091:314.
DROMORAN HBr, 794:122.
DUBOS' CRUDE CRYSTALS, (TYROTHRICIN) 2053:310.
DULCIN, 795:122.
DYPNONE, 796:122.

E 605, (PARATHION) 1494:222.
E 838, 797:122.
ECBOLINE, (ERGOTOXINE) 822:128.
ECHUBIOSIDE, 798:122.
ECHUGIN, (ECHUJIN) 799:122.
ECHUJIN, 799:122.
EFED, 800:122.
EFFUSAN, (4, 6-DINITRO-o-CRESOL) 757:116.
EFROXINE, (METHEDRINE) 1248:188.
EHRLICH 5, (MAPHARSEN) 1224:182.
EHRLICH 606, (ARSPHENAMINE) 190:32.
84 L (EIGHTY-FOUR L), (HETRAZAN) 1015:156.
844 (EIGHT-FOUR-FOUR), (PENTOBARBITAL SODIUM) 1514:226.
EL-60, 801:122.
ELAYL, (ETHYLENE) 115:336.
ELDRIN, (RUTIN) 1746:262.
ELEUDRON, (SULFATHIAZOLE) 1905:288.
EMBUTAL, (PENTOBARBITAL SODIUM) 1514:226.
EMCOL 888, 802:122.
EMERALD GREEN, (BRILLIANT GREEN) 297:50.
EMETINE, 803:122, 124.
EMULSEPT, 804:124.
ENANTHIC ALCOHOL, (2-HEPTANOL) 1002:154.
ENDOLAT, (DEMEROL HCl) 531:88.
ENDOTHAL, 805:124.
3, 6-ENDOXOHEXAHYDROPHTHALIC ACID, (ENDOTHAL) 805:124.
ENTEROKIN, (VIOFORM) 2087:314.
ENTEROQUINOL, (VIOFORM) 2087:314.
ENTERO-VIOFORM, (VIOFORM) 2087:314.
EOSIN (YS, yellowish), 806:124.

EPHEDRINE, 807:124.
D-Ψ-EPHEDRINE, (PSEUDOEPHEDRINE) 1686:250.
L-EPHEDRINE, (β-PHENYL-α-AMINOPROPANE) 1541:230.
EPHETONINE, (EPHEDRINE) 807:124.
EPINEPHRINE, 808:124, 126.
D-EPINEPHRINE, 809:126.
DL-EPINEPHRINE, 810:126.
L-EPINEPHRINE, 811:126.
EPN, 812:126.
1, 2-EPOXY-3, 4-BUTYLENE, (BUTADIENE MONOXIDE) 24:324.
1, 2-EPOXY-3-CHLOROPROPANE, 813:126; 102:334.
EPOXYMETHYLPHENYLACRYLIC ACID ETHYL ESTER, 814:126.
EPSOM SALT, (MAGNESIUM SULFATE) 1213:180, 182.
ERBIUM NITRATE, 815:126.
ERGAMINE, (HISTAMINE) 1038:158.
ERGOBASINE, 816:126, 128.
ERGOCORNINE, 817:128.
ERGOCRISTINE, 818:128.
ERGOCRYPTINE, 819:128.
ERGONOVINE, (ERGOBASINE) 816:126, 128.
ERGOTAMINE, 820:128.
ERGOTAMINE TARTRATE, 821:128.
ERGOTIDINE, (HISTAMINE) 1038:158.
ERGOTOXINE, 822:128.
ERYSODINE HCl, 823:128.
ERYSOPINE HCl, 824:128.
ERYSOTHIOPINE DISODIUM, 825:128.
ERYTHRAMINE HBr, 826:128.
ERYTHRENE, (1, 3-BUTADIENE) 23:324.
ERYTHRITE, 827:128.
ERYTHRITOL, (ERYTHRITE) 827:128.
meso-ERYTHRITOL, (ERYTHRITE) 827:128.
ERYTHROGLUCIN, (ERYTHRITE) 827:128.
β-ERYTHROIDINE, 828:128.
ERYTHROL, (ERYTHRITE) 827:128.
ERYTHROMYCIN, (ILOTYCIN) 1098:166.
ERYTHROSINE, 830:128.
ESERIDINE, (NEOSTIGMINE) 1425:210.
ESERINE, (PHYSOSTIGMINE) 1601:236.
ESERINE SALICYLATE, (PHYSOSTIGMINE SALICYLATE) 1602:236.
ESKEL (VISAMMIN) 2088:314.
ESPERAL, (ANTABUSE) 158:26.
ETHACOL, (α-PHENYL-β-ETHYLAMINOPROPANOL) 1567:232.
ETHANAL, (ACETALDEHYDE) 4:6; 2:322.
ETHANEDIAL, (GLYOXAL) 984:152.
ETHANEDIOIC ACID, (OXALIC ACID) 1481:220.
ETHANOL, 831:128, 130; 103:334.
ETHANOLAMINE HCl, 832:130.
ETHANOL-2, 2'-THIODI-DIACETATE, 833:130.
ETHENE, (ETHYLENE) 115:336.
ETHENONE, (KETENE) 158:342.
ETHENYLOXYETHENE, (DIVINYL ETHER) 101:334.
ETHER, 834:130; 104:334, 336.
ETHINE, (ACETYLENE) 5:322.
ETHINYL TRICHLORIDE, (TRICHLOROETHYLENE) 2004:302; 231:350.
ETHOPROPAZINE BASE, (PARSIDOL (BASE)) 1497:222.
ETHOVAN, (ETHYL VANILLIN) 917:138.
p-ETHOXYACETANILIDE, (PHENACETIN) 1521:228.
ETHOXYACETYL-K-STROPHANTHIN, 835:130.
4-ETHOXY-2-AMINOBENZOTHIAZOLE, 836:130.
ETHOXYBENZAZEPINE, 837:130.
2-ETHOXY-6, 9-DIAMINOACRIDINE LACTATE, (RIVANOL) 1739:260.
p-ETHOXY-β-DIMETHYLAMINOETHOXYBENZENE ETHIODIDE, 838:130.
ETHOXYETHANE, (ETHER) 834:130; 104:334, 336.
2-ETHOXYETHANOL, 105:336; 889:136 (ETHYLENE GLYCOL MONOETHYLETHER)
2-ETHOXYETHANOL ACETATE, 839:130; 106:336.
2(2-ETHOXYETHOXY)ETHANOL, 840:130.
2(2-ETHOXYETHOXY)ETHANOL ACETATE, 841:130.
2-ETHOXYETHYL ACETATE, (2-ETHOXYETHANOL ACETATE) 839:130; 106:336.
ETHOXYETHYLTRIMETHYLAMMONIUM IODIDE, 842:130.
3-ETHOXY-4-HYDROXYLBENZALDEHYDE, (ETHYL VANILLIN) 917:138.
1-ETHOXY-2-HYDROXY-4-PROPENYLBENZENE, 843:130.
3-ETHOXY-1, 2-PROPANDIOL, 844:130.
3-ETHOXYPROPIONALDEHYDE, 845:130; 107:336.
3-ETHOXYPROPIONIC ACID, 846:130.
3-ETHOXY-5, 6, 7, 8-TETRAHYDROCARBAZOLE, 847:130.
ETHYL ACETATE, 848:130; 108:336.
ETHYL ACETOACETATE, 849:132.
ETHYL ACETONE, (PENTANONE) 200:346.
ETHYL ACRYLATE, 850:132; 109:336.
ETHYL ALCOHOL, (ETHANOL) 831:128, 130; 103:334.
ETHYLALDEHYDE, (ACETALDEHYDE) 4:6; 2:322.
ETHYLAMINE, 851:132.
4-ETHYL-2-AMINOBENZOTHIAZOLE, 852:132.
ETHYLAMINOETHANOL, 853:132.
2-ETHYL-2-i-AMYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 854:132.
2-ETHYL-2-n-AMYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 855:132.
ETHYLANILINE, 856:132.
ETHYLBENZAZEPINE, 857:132.
ETHYLBENZENE, 858:132; 110:336.
2-ETHYLBENZIMIDAZOLE, 859:132.
ETHYL BENZOATE, 860:132.
2-ETHYLBENZOTRIAZOLE, 861:132.
ETHYL BROMIDE, 111:336.
2-ETHYL-BUTANOL-1, 862:132.
ETHYLBUTYLETHER, 863:132.
2-ETHYL-2-BUTYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 864:132.
ETHYLBUTYLKETONE, 865:132; 112:336.
ETHYLBUTYRALDEHYDE, 866:132.
2-ETHYLBUTYRALDEHYDE, 113:336.
ETHYL CARBAMATE, (URETHAN) 2065:310.
ETHYL CARBITOL, 867:132.
ETHYLCELLOSOLVE, 868:132.
ETHYL CETAB, 869:132.
ETHYL CHAULMOOGRATE, 870:132.
ETHYL CHLORIDE, (1, 2-DICHLOROETHANE) 578:92, 94; 66:330.
ETHYL-BIS-(β-CHLOROETHYLAMINE) 871:132, 134.
ETHYL BIS-COUMACETATE, (TROMEXAN) 2044:308.
ETHYL BIS(4-HYDROXYCOUMARINYL)ACETATE, (TROMEXAN) 2044:308.
ETHYL-β-CHLOROETHYLAMINE, 872:134.
ETHYL-β-CHLOROETHYL-β-(o-BENZYL)PHENOXYETHYLAMINE, 873:134.
ETHYL-β-CHLOROETHYLETHYLENIMONIUMPICRYL SULFONATE, 874:134.
ETHYL-β-CHLOROETHYL-β-HYDROXYETHYLPICRYL SULFONATE, 875:134.
2-ETHYLCROTONYLUREA, 876:134.
ETHYL CYANIDE, (PROPIONITRILE) 1660:248; 208:348.
ETHYLCYANOCYCLOHEXYL ACETATE, 877:134.

ETHYLCYCLOHEXANE, 114:336.
ETHYL-DI(DIMETHYLAMIDO)PHOSPHATE, 878:134.
ETHYLDIOXASPIRANE, 879:134.
2-ETHYLDIPHENYLPHOSPHATE, 880:134.
ETHYLENE, 115:336.
ETHYLENE-BIS-DITHIOCARBAMATE, DISODIUM SALT, (DITHANE D14) 787:120.
ETHYLENE-BIS-DITHIOCARBAMIC ACID, sodium and zinc salts of, (DITHANE) 786:120.
ETHYLENE BROMIDE, (1, 1-DIBROMOETHANE) 61:330.
ETHYLENE CHLORIDE, (1, 2-DICHLOROETHANE) 578:92, 94; 66:330.
ETHYLENE CHLOROHYDRIN, 881:134; 116:336.
ETHYLENEDIAMINE, 882:134; 117:336.
ETHYLENEDIAMINE 2HCl, (CHLORETHAMINE) 397:66.
ETHYLENE DICHLORIDE, 883:134.
ETHYLENE GLYCOL, 884:134, 136.
ETHYLENE GLYCOL DINITRATE, 885:136.
ETHYLENE GLYCOL METHYL ETHER ACETATE, 886:136.
ETHYLENE GLYCOL MONOACETATE, 887:136.
ETHYLENE GLYCOL MONOBUTYLETHER, 888:136; 118:336.
ETHYLENE GLYCOL MONOETHYLETHER, 889:136; 105:336 (2-ETHOXYETHANOL)
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE, (2-ETHOXYETHANOL ACETATE) 839:130; 106:336.
ETHYLENE GLYCOL MONOISOPROPYL ETHER, 119:336.
ETHYLENE GLYCOL MONOMETHYL ETHER, 120:336 also see 1303:194 (METHYL "CELLOSOLVE")
ETHYLENE GLYCOL MONOPROPYL ETHER, 121:336.
ETHYLENE GLYCOL NITRATE, 890:136.
ETHYLENEIMINE, 891:136; 122:336.
ETHYLENE OXIDE, 892:136; 123:336.
ETHYLENESUCCINIC ACID, (SUCCINIC ACID) 1892:286.
ETHYLENE TETRACHLORIDE, (TETRACHLOROETHYLENE) 1930:290, 292; 220:350.
N-ETHYLEPINEPHRINE, 893:136.
ETHYL ETHER, (ETHER) 834:130; 104:334, 336.
ETHYLETHYLENE, (BUTYLENE) 29:324.
ETHYL-5-FLUOROHEXANONATE, 894:136.
ETHYL FORMATE, 124:338.
ETHYL-2-FURYLCARBAMATE, 895:136.
ETHYL GLYCERYL ETHER, 896:136.
ETHYL GREEN, (BRILLIANT GREEN) 297:50.
2-ETHYLHEXALDEHYDE, 125:338.
2-ETHYLHEXANEDIOL-1, 3, (RUTGERS 612) 1745:262.
2-ETHYLHEXANOL, 897:136.
2-ETHYLHEXENE-1, 126:338.
2-ETHYLHEXYLAMINE, 127:338.
2-ETHYLHEXYL CHLORIDE, 128:338.
ETHYLHYDROCUPREINE, (OPTOCHIN) 1478:218.
ETHYL-β-HYDROXYETHYL-ETHYLENIMONIUM-PICRYL SULFONATE, 898:136.
ETHYLIDENE CHLORIDE, (1, 1-DICHLOROETHANE) 577:92; 65:330.
ETHYLIDENE DIETHYL ETHER, (ACETAL) 3:6; 1:322
ETHYLIDENE DIMETHYL ETHER, (1, 1-DIMETHOXYETHANE) 672:108; 89:334.
5-ETHYL-5-ISOAMYLBARBITURIC ACID, (AMYTAL) 146:24, 26.
5-ETHYL-5-ISOPROPYLBARBITURIC ACID, (IPRAL) 1117:168.
ETHYL MANDELATE, 899:136.
ETHYLMERCURIC PHOSPHATE, 900:138.
ETHYL MERCURY THIOGLYCOLATE, 901:138.
ETHYL METHACRYLATE, 902:138.
5-ETHYL-5-(1-METHYL-1-BUTENYL)BARBITURIC ACID, (DELVINAL) 530:88.
ETHYL(METHYLBUTYL)THIOBARBITURATE, (PENTOTHAL SODIUM) 1515:226.
ETHYL METHYL KETONE, (BUTANONE) 25:324.
5-ETHYL-3-METHYL-5-PHENYLHYDANTOIN, (MESANTOIN) 1239:186.
ETHYL-1-METHYL-4-PHENYLPIPERIDINE-4-CARBOXYLATE HCl, (DEMEROL HCl) 531:88.
ETHYLMORPHINE HCl, (DIONIN) 767:118.
4-ETHYLMORPHOLINE, 903:138; 129:338.
ETHYL-p-NITROPHENYLTHIOBENZENE PHOSPHONATE, (EPN) 812:126.
ETHYL-p-NITROPHENYLTHIONOBENZENE PHOSPHATE, (EPN) 812:126.
ETHYLOLAMINE HCl, (ETHANOLAMINE HCl) 832:130.
ETHYL OXIDE, (ETHER) 834:130; 104:334, 336.
ETHYL OXYTHIOCARBAMATE, (ETHYL THIOCARBAMATE) 912:138.
3-ETHYLPENT-4-EN-1-YN-3-OL, 904:138.
ETHYLPHENYLAMINE, (ETHYLANILINE) 856:132.
5-ETHYL-5-PHENYLBARBITURIC ACID, (LUMINAL) 1204:180.
ETHYLPHENYLBENZAZEPINE, 905:138.
ETHYL PHENYL ETHER, (PHENETOLE) 1523:228.
1-ETHYL-1-PHENYLTHIOUREA, 906:138.
ETHYL PHTHALATE, (DIETHYL PHTHALATE) 632:102.
N-ETHYLPIPERIDINE, 907:138.
N-ETHYL-3-PIPERIDYLDIPHENYLACETATE HCl, 908:138.
2-ETHYLPROPYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 909:138.
ETHYL SALICYLATE, 910:138.
ETHYL SILICATE, (TETRAETHOXYSILANE) 1933:292; 221:350.
ETHYL SULFATE, (DIETHYL SULFATE) 637:102; 83:332.
ETHYL SULFOCYANATE, (ETHYL THIOCYANATE) 913:138.
ETHYL TETRAPHOSPHATE, (TETRAETHYL PYROPHOSPHATE) 1937:292.
ETHYLTHEOBROMINE, 911:138.
ETHYL THIOCARBAMATE, 912:138.
ETHYL THIOCYANATE, 913:138.
ETHYLTHIONURETHANE, (ETHYL THIOCARBAMATE) 912:138.
ETHYLTRICHLOROSILANE, 914:138.
ETHYLTRIETHOXYSILANE, 915:138.
ETHYLTRIMETHYLAMMONIUM IODIDE, 916:138.
ETHYL URETHAN, (URETHAN) 2065:310.
ETHYL VANILLIN, 917:138.
ETHYNE, (ACETYLENE) 5:322.
ETOVAL, (NEONAL) 1424:210.
EUBASIN, (SULFAPYRIDINE) 1902:288.
β-EUCAINE, 918:138.
EUCODAL, 919:138.
EUCUPINE, 920:140.
EUGENIC ACID, (EUGENOL) 921:140.
EUGENOL, 921:140.
EUMEDRINE, 922:140.
EUMYDRIN, (EUMEDRINE) 922:140.
EUNERYL, (LUMINAL) 1204:180.
EVIPAL, 923:140.
EVIPAL SODIUM, (HEXOBARBITAL) 1025:156.
EVIPAN SODIUM, (HEXOBARBITAL) 1025:156.
EXPANSINE, (PATULIN) 1498:222.

FAGINE, (CHOLINE) 434:70.
FANTORIN, (FUADIN), 953:146.
FANYLINE, 924:140.

FAST GREEN, (MALACHITE GREEN) 1214:182.
FAST GREEN J, (BRILLIANT GREEN) 297:50.
FEMERGIN, (ERGOTAMINE TARTRATE) 821:128.
FENCHOLIC ACID, 925:140.
FERBAM, 926:140.
FERMENTATION AMYL ALCOHOL, (ISOAMYL ALCOHOL) 1120:170.
FERMENTATION BUTYL ALCOHOL, (ISOBUTYL ALCOHOL) 1122:170.
FERRIC CHLORIDE, 927:140.
FERRIC DIMETHYLDITHIOCARBAMATE, (FERBAM) 926:140.
FERRIC SULFATE, 928:140.
FERROUS ACETATE, 929:142.
FERROUS CHLORIDE, 930:142.
FERROUS LACTATE, 931:142.
FERROUS NITRATE, 932:142.
FERROUS SULFATE, 933:142.
FLAVOLUTAN, (PROGESTERONE) 1653:246.
FLAVUROL, (MERCUROCHROME) 1235:184.
FLAXEDIL, 934:142.
FLOROPRYL, (DIISOPROPYL FLUOROPHOSPHATE) 665:106; 88:332, 334.
FLUORESCEIN, 935:142.
"FLUOROACETATE", 936:142, 144.
FLUOROACETATE SODIUM, 937:144.
FLUOROACETPHENYLHYDRAZIDE, (FANYLINE) 924:140.
3-FLUORO-5-BROMOTYROSINE, 938:144.
γ-FLUOROBUTYRATE METHYL ESTER, 939:144.
γ-FLUOROCROTONATE SODIUM, 940:144.
1, 2, 4-FLUORODINITROBENZENE, 941:144.
FLUOROETHYLENE, 130:338.
5-FLUOROHEXANOATE ETHYL ESTER, 942:144, 146.
FLUOROHYDRIC ACID, (HYDROFLUORIC ACID) 147:340.
3-FLUORO-4-HYDROXYPHENYLACETIC ACID, 943:146.
1-(3-FLUORO-4-HYDROXY)-PHENYL-1-METHYL-2-METHYLAMINOETHANE, 944:146.
FLUOROTYRAMINE, 945:146.
FONTARSAN, (MAPHARSEN) 1224:182.
FORIOD, (IODEIKON) 1107:168.
FORMAL, (METHYLAL) 166:342.
FORMALDEHYDE, 946:146; 131:338.
FORMALDEHYDE DIMETHYL ACETAL, (METHYLAL) 166:342.
FORMALDEHYDE SODIUM SULFOXYLATE, (SODIUM FORMALDEHYDE SULFOXYLATE) 1816:274.
FORMALIN, 947:146.
FORMAMIDE, 948:146.
FORMIC ACID, 949:146.
FORMIC ACID ETHYL ESTER, 950:146.
FORMIC ALDEHYDE, (FORMALDEHYDE) 946:146; 131:338.
FORMIN, (CYSTAMIN(E)) 519:84.
FORTHANE, (4-METHYL-2-HEXYLAMINE) 1328:196.
FOUADIN, (FUADIN) 953:146.
FRADICIN, (CRYSTALLINE) 951:146.
FRUCTOSE, (LEVULOSE) 1197:178.
FRUGOSIDE, 952:146.
FRUIT SUGAR, (LEVULOSE) 1197:178.
FUADIN, 953:146.
FUCHSINE (basic), 954:146.
FUMING LIQUID ARSENIC, (ARSENIC TRICHLORIDE) 16:324.
FUNGICIDE 341-B, 955:146.
FUNGICIDE 341-C, 956:146.
FURACIN, 957:146.
2-FURALDEHYDE, (FURFURAL) 958:146.
FURAN, 132:338.
2-FURANCARBINOL, (FURFURYL ALCOHOL) 959:146, 148.
FURFURAL, 958:146.
FURFURALCOHOL, (FURFURYL ALCOHOL) 959:146, 148.
FURFURAN, (FURAN) 132:338.
FURFURYL ALCOHOL, 959:148.
α-FURYLCARBINOL, (FURFURYL ALCOHOL) 959:146, 148.
2-FURYLCARBINOL, (FURFURYL ALCOHOL) 959:146, 148.
2-α-FURYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 960:148.
FUSEL OIL, (ISOAMYL ALCOHOL) 1120:170.

4-(β-D-GALACTOSIDO)-D-GLUCOSE, (LACTOSE) 1162:174.
GALLIC ACID, 961:148.
GALLIUM AMMONIUM SULFATE, 962:148.
GALLIUM LACTATE, 963:148.
GALLIUM NITRATE, 964:148.
GALLOCHROME, (MERCUROCHROME) 1235:184.
GALLOTANNIC ACID, (TANNIC ACID) 1917:290.
GAMEFAR, (PLASMOQUINE) 1619:238, 240.
GAMMEXANE, (BENZENE HEXACHLORIDE (γ)) 229:42.
GANIDAN, (SULFAGUANIDINE) 1898:288.
GANTRISIN LITHIUM, 965:148.
GANTRISIN SODIUM, 966:148.
GANTROSAN LITHIUM, (GANTRISIN LITHIUM) 965:148.
GANTROSAN SODIUM, (GANTRISIN SODIUM) 966:148.
GARDENAL, (LUMINAL) 1204:180.
GASOLINE, 133:338.
GELSEMINE, 967:148.
GELSEMIUM SEMPERVIRENS, alkaloids of (GELSEMINE) 967:148.
GEMALGENE, (TRICHLOROETHYLENE) 2004:302; 231:350.
GENESERINE, (NEOSTIGMINE) 1425:210.
GERMALGENE, (TRICHLOROETHYLENE) 2004:302; 231:350.
GERMANIN, 968:148.
GERMANIUM HYDRIDE, 134:338.
GERMANIUM OXIDE, 969:148.
GERMERINE, 970:148.
GERMIDINE, 971:148.
GERMINE, 972:148.
GESAROL, (DDT) 523:86.
GITALIN, 973:150.
GITORIN, 974:150.
GITOXIN, 975:150.
GITOXOSIDE, 976:150.
GLAUBER'S SALT, (SODIUM SULFATE) 1851:280.
GLOBULARIACITRIN, (RUTIN) 1746:262.
GLONOIN, (NITROGLYCEROL) 1446:214.
GLUCOCHLORAL, (CHLORALOSE) 394:64.
α-D-GLUCOCHLORALOSE, (CHLORALOSE) 394:64.
GLUCOPERIPLOCYMARIN, (PERIPLOCIN) 1517:226.
GLUCOSE, 977:150.
D-GLUCOSE, (GLUCOSE) 977:150.
GLUCOSYL-β-PHENYLETHYLAMINE, 978:150.
GLUCURONIC ACID LACTONE, 979:150.
GLYCERIN, (GLYCEROL) 980:150.
GLYCEROL, 980:150.
GLYCEROL, nitric acid triester of, (NITROGLYCEROL) 1446:214.
GLYCEROL-α-ALLYLETHER, (3-ALLYLOXY-1, 2-PROPANDIOL) 75:16.
GLYCEROL-α-ETHYLETHER, (3-ETHOXY-1, 2-PROPANDIOL) 844:130.

GLYCEROL-α-ISOPROPYLETHER, (3-ISOPROPOXY-1, 2-PROPANEDIOL) 1137:170.
GLYCERYL DIACETATE, (DIACETIN) 539:90.
GLYCERYL MONOACETATE, (MONACETIN) 1392:204.
GLYCERYL-α-PHENYL ETHER, (3-PHENOXY-1, 2-PROPANEDIOL) 1529:228.
GLYCERYL-o-TOLYL ETHER, (MYANESIN) 1407:208.
GLYCERYL TRIACETATE, (TRIACETIN) 1995:302.
GLYCERYL TRINITRATE, (NITROGLYCEROL) 1446:214.
GLYCIDYL OLEATE, 981:152.
GLYCOL, (ETHYLENE GLYCOL) 884:134, 136.
GLYCOLALDEHYDE, 982:152.
GLYCOL CHLOROHYDRIN, (ETHYLENE CHLOROHYDRIN) 881:134; 116:336.
GLYCOL DIETHYL ETHER, (ETHYL CARBITOL) 867:132.
GLYCOLIC ACID, (HYDROXYACETIC ACID) 1053:162.
GLYCOL-MONOACETIN, (ETHYLENE GLYCOL MONOACETATE) 887:136.
GLYKETAL, (2-METHYL-2-AMYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE) 1281:192.
GLYKRESIN, (MYANESIN) 1407:208.
GLYODIN (base) 983:152.
GLYOXAL, 984:152.
GLYOXALIDENE ACETATE, (FUNGICIDE 341C) 956:146.
GLYOXALTETRABUTYLACETAL, 985:152.
GLYPHENARSINE, (TRYPARSAMIDE) 2047:308.
GOLD and SODIUM THIOSULFATE, (SANOCHRYSINE) 1765:264.
GOLD, double thiosulfate of, (SANOCHRYSINE) 1765:264.
GOSSYPINE, (CHOLINE) 434:70.
GOSSYPOL ACETATE, 986:152.
GRAMICIDIN, 987:152.
GRAPE SUGAR, (GLUCOSE) 977:150.
GREEN HYDROQUINONE, (QUINHYDRONE) 1707:254.
G-STROPHANTHIN, (STROPHANTHIN G) 1886:284.
GUAIACOL, 988:152.
GUAMIDE, (SULFAGUANIDINE) 1898:288.
GUANATOL HCl, (PALUDRINE HCl) 1485:220.
GUANICAINE, (ACOIN) 46:10.
GUANIDINE, 989:152.
N^1-GUANYLSULFANILAMIDE, (SULFAGUANIDINE) 1898:288.
GUARANINE, (CAFFEINE) 351:56.
GUM CAMPHOR, (CAMPHOR) 359:58.
GYNERGEN, (ERGOTAMINE TARTRATE) 821:128.
GYNESINE, (TRIGONELLINE) 2025:304.
GYNOCHROME, (MERCUROCHROME) 1235:184.

HALAZONE, 990:152.
HARMALINE, 991:152.
HARMANE, 992:152.
HARMINE, 993:152, 154.
HARMOL, 994:154.
HEBARAL, (ORTAL SODIUM) 1479:218.
HELIOTROPIN, (PIPERONAL) 1614:238.
HELLEBOREIN, 995:154.
HEMODAL, (MENADIONE) 1228:184.
HEMO-β-DOZE, (VITAMIN B_{12}) 2090:314.
10-HENDECENOIC ACID, (UNDECYLENIC ACID) 2055:310.
HEPARIN, 996:154.
HEPARINOID, 997:154.
HEPOCOVITE, (VITAMIN B_{12}) 2090:314.
HEPTACHLOR, 998:154.
1, 4, 5, 6, 7, 8, 8-HEPTACHLORO-3a, 4, 7, 7a-TETRAHYDRO-4, 7-METHANOINDENE, (HEPTACHLOR) 998:154.
HEPTADECYLGLYOXALIDINE, (GLYODIN (base)) 983:152.
2-HEPTADECYL-1-HYDROXYETHYLIMIDAZOLINE, 999:154.
HEPTADECYLIMIDAZOLINE, 1000:154.
2-HEPTADECYL-2-IMIDAZOLINE, (GLYODIN (base)) 983:152.
HEPTADECYLIMIDAZOLINE and 2-HEPTADECYL-1-HYDROXYETHYLIMIDAZOLINE (mixture of), (FUNGICIDE 341 B) 955:146.
HEPTALDEHYDE SODIUM BISULFITE, 1001:154.
HEPTANE, 135:338.
n-HEPTANE, (HEPTANE) 135:338.
2-HEPTANOL, 1002:154.
3-HEPTANOL, 1003:154.
2-HEPTANONE, (METHYL AMYL KETONE) 167:342.
HEPTAZONE, 1004:154.
HEPTAZONE HCl, 1005:154.
(3-HEPTOXYPHENYL)TRIMETHYLAMMONIUM BROMIDE, 1006:154.
n-HEPTYLALCOHOL, (2-HEPTANOL) 1002:154.
n-HEPTYLALCOHOL, primary (2-HEPTANOL) 1002:154.
HEPTYL ALDEHYDE SODIUM BISULFITE, (HEPTALDEHYDE SODIUM BISULFITE) 1001:154.
2-HEPTYLAMINE, 1007:154.
3-HEPTYLAMINE, 1008:154.
2-HEPTYLMETHYLAMINE, 1009:154.
3-HEPTYLMETHYLAMINE, 1010:154.
n-HEPTYLTRIMETHYLAMMONIUM IODIDE, 1011:154.
HEROIN, 1012:154.
HETP, 1013:156.
HETRAMINE, 1014:156.
HETRAZAN, 1015:156.
HEXABIONE, (PYRIDOXINE) 1694:252.
α-1, 2, 3, 4, 5, 6-HEXACHLOROCYCLOHEXANE, (BENZENE HEXACHLORIDE (α)) 227:42.
β-1, 2, 3, 4, 5, 6-HEXACHLOROCYCLOHEXANE, (BENZENE HEXACHLORIDE (β)) 228:42.
γ-1, 2, 3, 4, 5, 6-HEXACHLOROCYCLOHEXANE, (BENZENE HEXACHLORIDE (γ)) 229:42.
δ-1, 2, 3, 4, 5, 6-HEXACHLOROCYCLOHEXANE, (BENZENE HEXACHLORIDE (δ)) 230:42.
1, 2, 3, 4, 10, 10-HEXACHLORO-6, 7-EPOXY-1, 4, 4a, 5, 6, 7, 8, 8a-OCTAHYDRO-1, 4, 5, 8-DIMETHANONAPHTHALENE, (DIELDRIN) 602:96.
HEXACHLOROETHANE, 1016:156.
1, 2, 3, 4, 10, 10-HEXACHLORO-1, 4, 4a, 5, 8, 8a-HEXAHYDRO-1, 4, 5, 8-DIMETHANONAPHTHALENE, (ALDRIN) 64:14.
HEXACHLOROPROPANE, 136:338.
HEXACHLOROPROPYLENE, 1017:156; 137:338.
2, 4-HEXADIENOIC ACID, (SORBIC ACID) 1866:282.
HEXAETHYL TETRAPHOSPHATE, (HETP) 1013:156.
HEXAHYDROANILINE, (CYCLOHEXYLAMINE) 506:82.
HEXAHYDRO-3a, 7a-DIMETHYL-4, 7-EPOXYISOBENZOFURAN-1, 3-DIONE, (CANTHARIDIN) 360:58.
HEXAHYDROPHENOL, (CYCLOHEXANOL) 502:82.
HEXAHYDROPHTHALIC ACID DIETHYL ESTER, 1018:156.
HEXAHYDROPYRIDINE, (PIPERIDINE) 1611:238.
HEXAHYDROTHYMOL, (MANTHOL, (natural)) 1229:184.
HEXAHYDRO-1, 3, 5-TRINITRO-s-TRIAZINE; (CYCLOTRIMETHYLENETRINITRAMINE) 516:84.
HEXAHYDROXYBENZENE, (CYCLOHEXANE) 500:82; 52:330.

HEXALIN, (CYCLOHEXANOL) 502:82.
HEXAMETHYLENE, (CYCLOHEXANE) 500:82; 52:330.
HEXAMETHYLENETETRAMINE, (CYSTAMIN(E)) 519:84.
HEXAMINE, (CYSTAMIN(E)) 519:84.
HEXANAL, 1019:156.
HEXANAPHTHENE, (CYCLOHEXANE) 500:82; 52:330.
HEXANASTAB, (HEXOBARBITAL) 1025:156.
HEXANE, 138:338.
n-HEXANE, (HEXANE) 138:338.
2, 5-HEXANEDIOL, 1020:156.
HEXANEDIONE-2, 5, (2, 5-HEXANEDIONE) 139:338.
2, 5-HEXANEDIONE, 139:338.
1, 2, 6-HEXANETRIOL, 1021:156.
HEXANOIC ACID, 1022:156.
1-HEXANOL, 1023:156.
2-HEXANONE, 1024:156; 140:338.
HEXASODIUM sym.-BIS(m-AMINOBENZOYL-m-AMINO-p-METHYLBENZOYL-1-NAPHTHYLAMINO-4, 6, 8-TRISULFONATE)CARBAMIDE, (GERMANIN) 968:148.
α-HEXENE, (HEXYLENE) 142:338.
HEXETHAL SODIUM, (ORTAL SODIUM) 1479:218.
HEXOBARBITAL, 1025:156.
HEXOBARBITONE, (EVIPAL) 923:140.
HEXOGEN, (CYCLOTRIMETHYLENETRINITRAMINE) 516:84.
"HEXONE", 141:338.
HEXOSE DIPHOSPHORIC ACID, 1026:156.
n-HEXYLALCOHOL, (1-HEXANOL) 1023:156.
HEXYLAMINE, 1027:156.
2-HEXYLAMINE, 1028:156.
HEXYLBENZAZEPINE, 1029:156.
n-HEXYLBENZOATE, 1030:158.
HEXYLENE, 142:338.
HEXYLETHER, 1031:158.
2-n-HEXYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 1032:158.
2-HEXYLMETHYLAMINE, 1033:158.
n-HEXYLRESORCINOL, 1034:158.
1-HEXYL-2, 4-RESORCINOL, (n-HEXYLRESORCINOL) 1034:158.
n-HEXYLTRIMETHYLAMMONIUM IODIDE, 1035:158.
HEYDEN 611, (ANTIMOSAN) 172:28.
HIBICON, 1036:158.
HISTADYL BASE, 1037:158.
HISTAMINE, 1038:158.
HISTANTINE, (CHLORCYCLOZINE HCl) 395:64.
HOECHST 10820, (DL-METHADONE HCl) 1244:186.
HOLOCAINE HCl, (PHENACAINE HCl) 1520:228.
HOMATROPINE METHYLBROMIDE, 1039:158.
HORDENINE SULFATE, 1040:158.
HYAMINE 1622, 1041:160.
HYAMINE 2389, 1042:160.
HYDRACRYLIC ACID-β-PHENYLETHYL ESTER, (HYDROACRYLIC ACID-β-PHENYLETHYL ESTER) 1049:160.
HYDRASTINE, 1043:160.
L-β-HYDRASTINE, (HYDRASTINE) 1043:160.
HYDRASTININE HCl, 1044:160.
HYDRAZINE, 1045:160; 143:338.
HYDRAZINE HYDRATE, 1046:160.
HYDRAZINE SULFATE, 1047:160.
HYDRAZINOBENZENE, (PHENYLHYDRAZINE) 1573:234.
1-HYDRAZINOPHTHALAZINE, 1048:160.
HYDRAZOIC ACID, 144:340.
HYDROACRYLIC ACID-β-PHENYLETHYL ESTER, 1049:160.
HYDROBROMIC ETHER, (ETHYL BROMIDE) 111:336.
HYDROCHLORIC ACID, 145:340.
HYDROCYANIC ACID, 1050:160; 146:340.
HYDROFLUORIC ACID, 147:340.
HYDROGEN ARSENIDE, (ARSINE) 189:32; 17:324.
HYDROGEN DIOXIDE, (HYDROGEN PEROXIDE) 1051:160.
HYDROGEN PEROXIDE, 1051:160.
HYDROGEN SELENIDE, 148:340.
HYDROGEN SULFIDE, 149:340.
HYDROQUINONE, 1052:160, 162.
HYDROQUINONE MONOBENZYL ETHER, (AGERITE, (WHITE)) 62:14.
"HYDROSULFURIC ACID", (HYDROGEN SULFIDE) 149:340.
HYDROXYACETIC ACID, 1053:162.
4-HYDROXY-2-AMINOBENZOTHIAZOLE, 1054:162.
6-HYDROXY-2-AMINOBENZOTHIAZOLE, 1055:162.
5-HYDROXY-3-(β-AMINOETHYL)INDOLE, (SEROTONIN) 1784:266, 268.
o-HYDROXYANISOLE, (GUAIACOL), 988:152.
o-HYDROXYBENZALDEHYDE, (SALICYLALDEHYDE) 1750:262.
o-HYDROXYBENZAMIDE, (SALICYLAMIDE) 1751:262.
HYDROXYBENZENE, (PHENOL) 1524:228.
m-HYDROXYBENZOIC ACID, 1056:162.
o-HYDROXYBENZOIC ACID, (SALICYLIC ACID) 1758:262.
p-HYDROXYBENZOIC ACID, 1057:162.
(2-HYDROXYBENZYL)TRIMETHYLAMMONIUM BROMIDE, 1058:162.
β-HYDROXYBUTYRALDEHYDE, (ALDOL) 63:14.
2-HYDROXYCAMPHANE, (BORNEOL) 294:48.
3-HYDROXYCINCHONINIC ACID, 1059:162.
4-HYDROXYCOUMARIN, 1060:162.
2-HYDROXY-p-CYMENE, (CARVACROL) 374:60.
3-HYDROXY-p-CYMENE, (THYMOL) 1982:298, 300.
8-HYDROXY-6, 7-DIMETHOXY-1, 2-DIMETHYL-1, 2, 3, 4-TETRAHYDROISOQUINOLINE, (PELLOTINE) 1502:222.
3-HYDROXY-4, 5-DIMETHYLOL-α-PICOLINE, (PYRIDOXINE) 1694:252.
p-HYDROXY-N, α-DIMETHYLPHENETHYLAMINE, (VERITOL) 2081:312.
p-HYDROXY-N, N-DIMETHYLPHENETHYLAMINE SULFATE, (HORDENINE SULFATE) 1040:158.
(2-HYDROXY-3, 5-DIMETHYLPHENYL)TRIMETHYLAMMONIUM BROMIDE, 1061:162.
m-HYDROXYEPHEDRINE, 1062:162.
o-HYDROXYEPHEDRINE, 1063:162.
p-HYDROXYEPHEDRINE, 1064:162.
2-HYDROXYETHYLAMINE HCl, (ETHANOLAMINE HCl) 832:130.
HYDROXYETHYLAPOCUPREINE, 1065:162.
N-HYDROXYETHYLETHYLENEIMINE, 1066:162.
HYDROXYETHYLPROPYLENEDIAMINE, 1067:162.
(β-HYDROXYETHYL)TRIMETHYLAMMONIUM HYDROXIDE, (CHOLINE) 434:70.
1-HYDROXYHEPTANE, (2-HEPTANOL), 1002:154.
1-HYDROXYHEXANE, (1-HEXANOL) 1023:156.
5-HYDROXY-2-HEXENOIC ACID LACTONE, (PARASORBIC ACID) 1493:222.
8-HYDROXY-7-IODOQUINOLINE-5-SULFONIC ACID, (CHINIOFON) 390:64.
HYDROXYLAMINE, 1068:162.
HYDROXYLAMINE HCl, 1069:162.
o-(N-γ-HYDROXYMERCURI-β-HYDROXYETHOXYPROPYLCARBAMYL)-PHENOXYACETIC ACID, 1070:164.

o-[(3-HYDROXYMERCURI-2-METHOXYPROPYL) CARBAMYL] PHENOXYACETIC ACID SODIUM SALT, (SALYRGAN) 1763:264.
o-[(3-HYDROXYMERCURI-2-METHOXYPROPYL) CARBAMYL] PHENOXYACETIC ACID SODIUM + THEOPHYLLINE, (MERSALYL THEOPHYLLINE) 1237:186.
N-(β-HYDROXYMERCURI-G-METHOXY)PROPYL N'-SUCCINYLUREA + THEOPHYLLINE, (MERCUHYDRIN) 1233:184.
4-HYDROXY-3-METHOXYBENZALDEHYDE, (VANILLIN) 2075:312.
L-m-HYDROXY-α-(METHYLAMINOMETHYL)BENZYL ALCOHOL, (NEO-SYNEPHRINE) 1427:210.
p-HYDROXY-N-METHYLBENZEDRINE, (VERITOL) 2081:312.
2-HYDROXYMETHYLFURAN, (FURFURYL ALCOHOL) 959:146, 148.
3-HYDROXY-N-METHYLMORPHINAN HBr, (DROMORAN HBr) 794:122.
2-HYDROXY-3-METHYL-1, 4-NAPHTHOQUINONE, (PHTHIOCOL) 1599:236.
4-HYDROXY-4-METHYL-2-PENTANONE, (DIACETONE ALCOHOL) 540:90.
(3-HYDROXY-4-METHYLPHENYL)TRIMETHYLAMMONIUM BROMIDE, 1071:164.
1-HYDROXYMETHYLPROPANE, (ISOBUTYL ALCOHOL) 1122:170.
5-HYDROXY-6-METHYL-3, 4-PYRIDINECARBINOL, (PYRIDOXINE) 1694:252.
5-HYDROXY-6-METHYL-3, 4-PYRIDINEDIMETHANOL, (PYRIDOXINE) 1694:252.
8-HYDROXY-1-METHYL-1, 2, 3, 4-TETRAHYDROQUINOLINEDIMETHYLURETHANE METHIODIDE, (TETRAMETHOQUIN) 1947:294.
α-HYDROXYNAPHTHALENE, (α-NAPHTHOL) 1412:208.
β-HYDROXYNAPHTHALENE, (β-NAPHTHOL) 1413:208.
2-HYDROXYNAPHTHALENE, (β-NAPHTHOL) 1413:208.
4-HYDROXYPHENETHYLAMINE, (TYRAMINE) 2051:308.
α-HYDROXYPHENYLACETIC ACID, (MANDELIC ACID) 1219:182.
(m-HYDROXYPHENYL)-2-AMINO-1-PROPANOL, (ARAMINE) 182:30.
(3-HYDROXYPHENYL)BENZYLDIMETHYLAMMONIUM BROMIDE, 1072:164.
3-HYDROXY-2-PHENYLCINCHONINIC ACID, 1073:164.
(3-HYDROXYPHENYL)DIETHYLMETHYLAMMONIUM BROMIDE, 1074:164.
(3-HYDROXYPHENYL)DIMETHYLETHYLAMMONIUM BROMIDE, 1075:164.
N, N'-(5-HYDROXY-1, 3-PHENYLENE)-DI(TRIMETHYLAMMONIUM)DICHLORIDE, 1076:164.
p-HYDROXYPHENYLETHYLAMINE, (TYRAMINE) 2051:308.
2-p-HYDROXYPHENYLETHYLAMINE, (TYRAMINE) 2051:308.
DL-α-(3-HYDROXYPHENYL-α-HYDROXY)-β-METHYLAMINOETHANE, (NEO-SYNEPHRINE) 1427:210.
L-α-(4-HYDROXYPHENYL)-α-HYDROXY-β-METHYLAMINOETHANE, (SYNEPHRIN) 1911:290.
(3-HYDROXYPHENYL)ISOPROPYLDIMETHYLAMMONIUM IODIDE, 1077:164.
α-(p-HYDROXYPEHNYL)ISOPROPYLMETHYLAMINE, (VERITOL) 2081:312.
β-(p-HYDROXYPHENYL)ISOPROPYLMETHYLAMINE, (VERITOL) 2081:312.
L-1-(m-HYDROXYPHENYL)-2-METHYLAMINOETHANOL, (NEO-SYNEPHRINE) 1427:210.
p-HYDROXYPHENYLMETHYLAMINOETHANOL, (SYNEPHRIN) 1911:290.
p-HYDROXYPHENYLMETHYLAMINOETHANOL TARTRATE, (SYMPATOL) 1910:290.
α-(p-HYDROXYPHENYL)-β-METHYLAMINOPROPANE, (VERITOL) 2081:312.
α-(4-HYDROXYPHENYL)-β-METHYLAMINOPROPANE, (VERITOL) 2081:312.
1-(4-HYDROXYPHENYL)-2-METHYLAMINOPROPANOL, (p-HYDROXYEPHEDRINE) 1064:162.
β-m-HYDROXYPHENYLPROPANOLAMINE, 1078:164.
β-o-HYDROXYPHENYLPROPANOLAMINE, 1079:164.
β-p-HYDROXYPHENYLPROPANOLAMINE, 1080:164.
(3-HYDROXYPHENYL)TRIETHYLAMMONIUM BROMIDE, 1081:164.
(2-HYDROXYPHENYL)TRIMETHYLAMMONIUM BROMIDE, 1082:164.
(3-HYDROXYPHENYL)TRIMETHYLAMMONIUM BROMIDE, 1083:164.
(4-HYDROXYPHENYL)TRIMETHYLAMMONIUM BROMIDE, 1084:164.
(3-HYDROXYPHENYL)TRIMETHYLAMMONIUM-METHYLSULFATE-BENZYLCARBAMATE, 1085:164.
(3-HYDROXYPHENYL)TRIMETHYLAMMONIUM-METHYLSULFATECARBAMATE, 1086:166.
(3-HYDROXYPHENYL)TRIMETHYLAMMONIUM-METHYLSULFATEDIETHYLCARBAMATE, 1087:166.
(3-HYDROXYPHENYL)TRIMETHYLAMMONIUM-METHYLSULFATEDIPROPENYLCARBAMATE, 1088:166.
(3-HYDROXYPHENYL)TRIMETHYLAMMONIUM-METHYLSULFATE-ETHYLCARBAMATE, 1089:166.
(3-HYDROXYPEHNYL)TRIMETHYLAMMONIUM-METHYLSULFATEMETHYLCARBAMATE, 1090:166.
(3-HYDROXYPHENYL)TRIMETHYLAMMONIUM-METHYLSULFATEMETHYLPHENYLCARBAMATE, 1091:166.
(3-HYDROXYPHENYL)TRIMETHYLAMMONIUM-METHYLSULFATEPENTYLCARBAMATE, 1092:166.
(3-HYDROXYPHENYL)TRIMETHYLAMMONIUM-METHYLSULFATEPHENYLCARBAMATE, 1093:166.
(3-HYDROXYPHENYL)TRIMETHYLAMMONIUM-METHYLSULFATEPROPENYLCARBAMATE, 1094:166.
m-HYDROXYPROCAINE, 1095:166.
2- HYDROXY- 1, 2, 3-PROPANETRICARBOXYLIC ACID (CITRIC ACID) 448:72.
α-HYDROXYPROPIONIC ACID, (LACTIC ACID), 1161:174.
2-HYDROXYPROPIONIC ACID, (LACTIC ACID) 1161:174.
2-(α-HYDROXYPROPYL)PIPERIDINE, (CONHYDRINE) 459:74.
(2-HYDROXYPROPYL)TRIMETHYLAMMONIUM CHLORIDE ACETATE, (MECHOLYL HCl) 1226:184.
8-HYDROXYQUINOLINE, 1096:166.
HYDROXYSTREPTOMYCIN, 1097:166.
α-HYDROXYTOLUENE, (BENZYL ALCOHOL) 256:44; 19:324.
α-HYDROXY-α-TOLUIC ACID, (MANDELIC ACID) 1219:182.
5-HYDROXYTRYPTAMINE, (SEROTONIN) 1784:266, 268.
HYOSCINE, (SCOPOLAMINE) 1780:266.
DL-HYOSCYAMINE, (ATROPINE) 194:32, 34.

HYPONE, (ACETOPHENONE) 25:8.
"HYPO", (SODIUM THIOSULFATE) 1859:280.

ILOTYCIN (BASE), 1098:166.
4-IMIDAZOLEËTHYLAMINE, (HISTAMINE) 1038:158.
5-IMIDAZOLEËTHYLAMINE, (HISTAMINE) 1038:158.
2-(4-IMIDAZOLYL)ETHYLAMINE, (HISTAMINE) 1038:158.
β-(IMIDAZOLYL-[4])-b-METHYLETHYLAMINE, 1099:166.
IMIDOLE, (PYRROLE) 1700:254.
IMINOUREA, (GUANIDINE) 989:152.
IMPERIAL GREEN, (PARIS GREEN) 1495:222.
IMPLETOL, 1100:166.
INDALONE, 1101:166.
INDIUM CHLORIDE, 1102:166.
INDIUM SULFATE, 1103:168.
INDOLE, 1104:168.
INHISTON, (TRIMETON) 2036:306.
INSULIN, 1105:168.
INTOCOSTRIN, 1106:168.
INTRAVAL SODIUM, (PENTOTHAL SODIUM) 1515:226.
IODEIKON, 1107:168.
IODINE, 1108:168; 150:340.
IODINE PHOSPHIDE, 1109:168.
IODOACETAMIDE, 1110:168.
IODOACETIC ACID, 1111:168.
IODOCHLOROHYDROXYQUINOLINE, (VIOFORM) 2087:314.
IODOCHLOROXYQUINOLINE, (VIOFORM) 2087:314.
IODOFLUOROTYROSINE, 1112:168.
IODOFORM, 1113:168.
7-IODO-8-HYDROXYQUINOLINE-5- SULFONIC ACID, (CHINIOFON) 390:64.
IODOMETHANE, (METHYL IODIDE) 1340:198; 179:344.
IODOPHENE SODIUM, (IODEIKON) 1107:168.
o-IODOPHENOL, 1114:168.
IODOPHTHALEIN SODIUM, (IODEIKON) 1107:168.
IODOPHTHALEIN, soluble, (IODEIKON) 1107:168.
IODOPYRACET, (DIODRAST) 766:118.
IODORAYORAL, (IODEIKON) 1107:168.
IODOTETRAGNOST, (IODEIKON) 1107:168.
IONOL, 1115:168.
IOPAX, 1116:168.
IOPYRACIL, (DIODRAST) 766:118.
IPRAL, 1117:168.
IRGAPYRIN, 1118:168.
ISOAMIDONE I, 1119:168.
L-ISOAMIDONE, (L-ISOMETHADONE) 1132:170.
ISOAMYL ALCOHOL, 1120:170.
ISOAMYL-N-(β-DIETHYLAMINOETHYL)-α-AMINOPHENYLACETATE 2HCl, (AVACAN) 199:34.
ISOAMYLETHYLBARBITURIC ACID, (AMYTAL) 146:24, 26.
ISOAMYLHYDROCUPREINE, (EUCUPINE) 920:140.
3-ISOAMYL-5-(3, 4-METHYLENEDIOXYPHENYL)-2-CYCLOHEXANONE, (PIPERONYLCYCLOHEXANONE) 1616:238.
ISOBORNYLTHIOCYANOACETATE, (THANITE) 1958:294.
N-ISOBUTYLADRENALINE, 1121:170.
ISOBUTYL ALCOHOL, 1122:170.
ISOBUTYLALDEHYDE, (ISOBUTYRALDEHYDE) 1123:170; 151:340.
2-(ISOBUTYLAMINO)ETHYL-p-AMINOBENZOATE HCl, (MONOCAINE HCl) 1393:204.
ISOBUTYLCARBINOL, (ISOAMYL ALCOHOL) 1120:170
ISOBUTYRALDEHYDE, 1123:170; 151:340.
ISOCAINE, 1124:170.
ISOCOCAINE TARTRATE, (PSICAINE) 1687:250.
ISOCYCLEX, 1125:170.
ISODEHYDROACETIC ACID, 1126:170.
ISODIPHENYLETHANOLAMINE-N-ETHYLDIETHYLENEAMINE HCl, 1127:170.
ISODIPHENYLETHANOLAMINE HCl, 1128:170.
D-ISOEPHEDRINE, (PSEUDOEPHEDRINE) 1686:250.
ISOFLUROPHATE, (DIISOPROPYL FLUOROPHOSPHATE) 665:106; 88:332, 334.
ISO-1-HEXYLDIOXASPIRANE, 1129:170.
ISO-2-HEXYLDIOXASPIRANE, 1130:170.
DL-ISOMETHADONE, 1131:170.
L-ISOMETHADONE, 1132:170; also see 696:110, L-6-DIMETHYLAMINO-4, 4-DIPHENYL-5-METHYL-3-HEXANONE.
ISOMONOMETHYLNICOTINIUM IODIDE, 1133:170.
ISONAPHTHOL, (β-NAPHTHOL) 1413:208.
ISONICOTINALDEHYDE SEMICARBAZONE, 1134:170.
ISONICOTINIC ACID HYDRAZIDE, (NYDRACIDE) (RIMIFON) 1462:216; 1738:260.
ISONICOTINYL HYDRAZIDE, 1135:170.
ISONICOTINYL HYDRAZINE, (NYDRAZID) 1463:218.
1-ISONICOTINYL-2-ISOPROPYLHYDRAZINE, (MARSILID) 1225:182, 184.
ISONIPECAINE, (DEMEROL HCl) 531:88.
ISOOCTYLHYDROCUPREINE, (VUZIN) 2094:314.
ISOPHEN, (METHEDRINE) 1248:188.
ISOPHORONE, 152:340.
ISOPRAL, 1136:170.
ISOPRENE, 153:340.
ISOPROPANOL, (ISOPROPYL ALCOHOL) 1140:170,172; 155:340.
3-ISOPROPOXY-1, 2-PROPANEDIOL, 1137:170.
ISOPROPYL ACETATE, 1138:170; 154:340.
ISOPROPYLACETONE, ("HEXONE") 141:338.
ISOPROPYLACETYLENE, (3-METHYL BUTYNE) 172:344.
N-ISOPROPYLADRENALINE, 1139:170.
ISOPROPYL ALCOHOL, 1140:170, 172; 155:340.
ISOPROPYLALLYL BARBITURIC ACID, (NUMAL) 1460:216.
ISOPROPYLAMINE, 1141:172; 156:340.
ISOPROPYLBENZAZEPINE, 1142:172.
ISOPROPYLBENZENE, (CUMENE) 490:80; 49:328.
ISOPROPYL BENZOATE, 1143:172.
ISOPROPYLBENZOTHIAZOLE SULFONAMIDE, (ISOCYCLEX) 1125:170.
ISOPROPYLBROMOPROPENYL BARBITURIC ACID, (NOCTAL) 1455:216.
ISOPROPYLCARBINOL, (ISOBUTYL ALCOHOL) 1122:170.
ISOPROPYL-BIS-(β-CHLOROETHYL)AMINE, 1144:172.
2-ISOPROPYL-2-BUTYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 1145:172.
ISOPROPYLCINNAMATE, 1146:172.
ISOPROPYL-o-CRESOL, (CARVACROL) 374:60.
ISOPROPYL ETHER, 157:342.
α-ISOPROPYLGLYCERYL ETHER, 1147:172.
ISOPROPYLIDENE ACETONE, (MESITYL OXIDE) 160:342.
2-ISOPROPYL-5-METHYLPHENOXYETHYLBENZYL-β-CHLROETHYLAMINE, 1148:172.
ISOPROPYLMETHYLPHOSPHONOFLUORIDATE, (SARIN) 1770:266.
(2-ISOPROPYL-4-PENTENOYL)UREA, (SEDORMID) 1782:266.
2-ISOPROPYLPHENOXYETHYLBENZYL-β-CHLOROETHYLAMINE, 1149:172.

2-ISOPROPYLPHENOXYETHYLETHYL-β-CHLOROETHYLAMINE, 1150:172.
2-ISOPROPYLPHENOXYISOPROPYLBENZYL-β-CHLOROETHYLAMINE, 1151:172.
p-ISOPROPYLPHENYLETHYL ALCOHOL, 1152:172.
ISOPROPYL TARTRATE, 1153:172.
ISOQUINOLINE, 1154:172.
ISOSAFROLE, n-OCTYLSULFOXIDE of, (SULFOXCIDE) 1908:288.
ISOTHAN Q-15, 1155:172.

JERVINE, 1156:172.

K III, (4, 6-DINITRO-o-CRESOL) 757:116.
K IV, (4, 6-DINITRO-o-CRESOL) 757:116.
KAERGONA, (MENADIONE) 1228:184.
KAMPFSTOFF "LOST", (MUSTARD GAS) 1406:206, 208; 186:344.
KAPILIN, (MENADIONE) 1228:184.
KAPILON, (MENADIONE) 1228:184.
KAPPAXAN, (MENADIONE) 1228:184.
KAPPAXIN, (MENADIONE) 1228:184.
KAREON, (MENADIONE) 1228:184.
KAVITON, (MENADIONE) 1228:184.
KAYQUINONE, (MENADIONE) 1228:184.
KENDALL'S DESOXY COMPOUND B, (DESOXYCORTICOSTERONE) 537:88.
KERAPHEN, (IODEIKON) 1107:168.
KEROSENE, 1157:172.
KETENE, 158:342.
4-KETOAMYLTRIMETHYLAMMONIUM IODIDE, 1158:172.
3-KETOBUTYLTRIMETHYLAMMONIUM IODIDE, 1159:172.
KETOHEXAMETHYLENE, (CYCLOHEXANONE) 503:82; 53:330.
β-KETOPROPANE, (ACETONE) 22:8; 4:322.
KHELLIN, (VISAMMIN) 2088:314.
KOLKLOT, (MENADIONE) 1228:184.
KRYSOLGAN, 1160:174.

LABURNINE NITRATE, (CYTISINE NITRATE) 520:84.
LACHESIS MUTA, (SNAKE VENOM) 1790:268.
LACTIC ACID, 1161:174.
LACTOBACILLUS LACTIS DORNER FACTOR, (VITAMIN B_{12}) 2090:314.
LACTOSE, 1162:174.
LANADIGENIN, (DIGITOXIGONIN) 643:102.
LANADIGIN, 1163:174.
LANTHANUM ACETATE, 1164:174.
LANTHANUM AMMONIUM NITRATE, 1165:174.
LANTHANUM CHLORIDE, 1166:174.
LANTHANUM NITRATE, 1167:174.
LANTHANUM OXIDE, 1168:174.
LANTHANUM SULFATE, 1169:174.
LAROCAINE, 1170:174.
LAURYLDIETHYLENETRIAMINE, 1171:174.
LAURYLISOQUINOLINIUM BROMIDE, (ISOTHAN Q-15) 1155:172.
LEAD, 1172:174.
LEAD ACETATE, 1173:176.
LEAD ARSENATE, 1174:176.
LEAD CARBONATE, 1175:176.
LEAD CHLORIDE, 1176:176.
LEAD CHROMATE, 1177:176.
LEAD DIOXIDE, 1178:176.
LEAD LACTATE, 1179:176.
LEAD MONOXIDE, 1180:176.
LEAD NITRATE, 1181:176.
LEAD OLEATE, 1182:176.
LEAD ORTHOARSENATE, 1183:176.
LEAD ORTHOPHOSPHATE, 1184:176.
LEAD OXIDE, 1185:176.
LEAD (RED) 1186:176.
LEAD SILICATE, 1187:176.
LEAD STEARATE, 1188:176.
LEAD SULFATE, 1189:178.
LEAD SULFIDE, 1190:178.
LEAD TETRAETHYL, 1191:178.
LENTIN, (CARBAMYLCHOLINE CHLORIDE) 363:58.
LEPTAZOL, (METRAZOL) 1386:202, 204.
LEPTOSIDE, 1192:178.
LERGIGAN, 1193:178.
LETHANE (special) 1194:178.
LETHANE 60, 1195:178.
LETHANE 384, 1196:178.
LEUCOHARMINE, (HARMINE) 993:152, 154.
LEUCOLINE, (QUINOLINE) 1720:258.
LEVOROTATORY METHADONE HCl, (ʟ-METHADONE HCl) 1245:188.
LEVULOSE, 1197:178.
LICHENIFORMIN A5, 1198:178.
LINDANE, (BENZENE HEXACHLORIDE (γ)) 229:42.
LIPAN, (4, 6-DINITRO-o-CRESOL) 757:116.
LIPO-LUTIN, (PROGESTERONE) 1653:246.
LISSEPHEN, (MYANESIN) 1407:208.
LITHIUM CHLORIDE, 1199:178, 180.
LITHIUM FLUORIDE, 1200:180.
LLD FACTOR, (VITAMIN B_{12}) 2090:314.
LONGILOBINE, 1201:180.
α-LONGILOBINE, 1202:180.
β-LONGILOBINE, 1203:180.
LOTURINE, (HARMANE) 992:152.
LUMINAL, 1204:180.
LUNARINE, 1205:180.
LUPETIDINE, 1206:180.
LUPINIDINE, (SPARTEINE) 1867:282.
β-LUPULIC ACID, (LUPULON) 1207:180.
LUPULON, 1207:180.
LURIDINE, (CHOLINE) 434:70.
LUTEODYN, (PROGESTERONE) 1653:246.
LUTEOGAN, (PROGESTERONE) 1653:246.
LUTEOSAN, (PROGESTERONE) 1653:246.
LUTOCYLIN, (PROGESTERONE) 1653:246.
LUTREN, (PROGESTERONE) 1653:246.
LUTROMONE, (PROGESTERONE) 1653:246.
LYCOPERSICIN, (TOMATIN(E)) 1991:300.
LYSIVANE BASE, (PARSIDOL (base)) 1497:222.

M 4888, (PALUDRINE HCl) 1485:220.
MAGNESIUM ACETATE, 1208:180.
MAGNESIUM CHLORATE, 1209:180.
MAGNESIUM CHLORIDE, 1210:180.
MAGNESIUM FLUORIDE, 1211:180.
MAGNESIUM FLUOSILICATE, (MAGNESIUM SILICOFLUORIDE) 1212:180.
MAGNESIUM SILICOFLUORIDE, 1212:180.
MAGNESIUM SULFATE, 1213:180, 182.
MALACHITE GREEN, 1214:182.
MALACHITE GREEN G, (BRILLIANT GREEN) 297:50.
MALATHION, 1215:182.
MALATHON, (formerly) (MALATHION) 1215:182.
MALEIC ACID HYDRAZIDE, (MALEIC HYDRAZIDE) 1216:182.
MALEIC HYDRAZIDE, 1216:182.
MALLOPHENE, (PYRIDIUM) 1693:252.
MALONIC ACID, 1217:182.
MALONONITRILE, (MALONYLNITRILE) 1218:182.
MALONYLNITRILE, 1218:182.
MANDELIC ACID, 1219:182.
ᴅʟ-MANDELIC ACID, (MANDELIC ACID) 1219:182.
p-MANDELIC ACID, (MANDELIC ACID) 1219:182.

MANDELIC ACID NITRILE, (MANDELONITRILE) 1220:182.
MANDELONITRILE, 1220:182.
MANGANESE BINOXIDE, (MANGANESE DIOXIDE) 1222:182.
MANGANESE CHLORIDE, 1221:182.
MANGANESE DIOXIDE, 1222:182.
MANGANESE PEROXIDE, (MANGANESE DIOXIDE) 1222:182.
MANGANESE SUPEROXIDE, (MANGANESE DIOXIDE) 1222:182.
MANSONIN, 1223:182.
MAPHARSEN, 1224:182.
MAPHARSIDE, (MAPHARSEN) 1224:182.
MARSILID, 1225:182, 184.
MARTIUS YELLOW, (2, 4-DINITRO-α-NAPHTHOL) 761:118.
MBA HYDROCHLORIDE, (METHYL-BIS(β-CHLOROETHYL)AMINE HCl) 1294:192.
MECHLORETHAMINE HCl, (METHYL-BIS(β-CHLOROETHYL)AMINE HCl) 1294:192.
MECHOLIN, (MECHOLYL HCl) 1226:184.
MECHOLYL HCl, 1226:184.
MEDINAL, (BARBITAL) 214:36.
MEFURONE, 1227:184.
MELANILINE, (DIPHENYLGUANIDINE) 776:120.
MELETIN, (QUERCETIN) 1704, 1705:254.
MELIN, (RUTIN) 1746:262.
MELITOXIN, (DICUMAROL) 595:96.
MENADIONE, 1228:184.
MENAPHTHONE, (MENADIONE) 1228:184.
MENAQUINONE, (MENADIONE) 1228:184.
3-p-MENTHANOL, (MENTHOL (natural)) 1229:184.
MENTHOL (natural), 1229:184.
MENTHOL (synthetic), 1230:184.
L-MENTHOL, (MENTHOL, (natural)) 1229:184.
MEPERIDINE HCl, (DEMEROL HCl) 531:88.
MEPHENESIN, (MYANESIN) 1407:208.
MEPHENESIN CARBAMATE, 1231:184.
MEPHENTERMINE, 1232:184.
MEPYRAMINE HCl, (NEOANTERGAN HCl) 1418:210.
MERALLURIDE SODIUM, (MERCUHYDRIN) 1233:184.
MERBROMIN, (MERCUROCHROME) 1235:184.
2-MERCAPTOETHANOL, 159:342.
2-MERCAPTO-4-HYDROXYPYRIMIDINE, (2-THIOURACIL) 1976:298.
MERCAPTOMERIN SODIUM, (THIOMERIN SODIUM) 1971:298.
2-MERCAPTO-4-PYRIMIDONE, (2-THIOURACIL) 1976:298.
MERCUHYDRIN, 1233:184.
MERCUMATILIN, (CUMERTILIN) 491:80.
MERCUPURIN, (MERCUROPHYLLINE) 1236:184.
MERCURANINE, (MERCUROCHROME) 1235:184.
MERCURIC CHLORIDE, 1234:184.
MERCUROCHROME, 1235:184.
MERCUROCOL, (MERCUROCHROME) 1235:184.
MERCUROME, (MERCUROCHROME) 1235:184.
MERCUROPHAGE, (MERCUROCHROME) 1235:184.
MERCUROPHYLLINE, 1236:184.
MERCURY BICHLORIDE, (MERCURIC CHLORIDE) 1234:184.
MERCURY PERCHLORIDE, (MERCURIC CHLORIDE) 1234:184.
MERCUZANTHIN, (MERCUROPHYLLINE) 1236:184.
MERPHENE, (PHENYLMERCURIC NITRATE) 1578:234.
MERPHENYL NITRATE, (PHENYLMERCURIC NITRATE) 1578:234.
MERSALYL, (SALYRGAN) 1763:264.
MERSALYL THEOPHYLLINE, 1237:186.
MERTHIOLATE, 1238:186.
MERTHIOLATE SODIUM, (MERTHIOLATE) 1238:186.
MESANTOIN, 1239:186.
MESCALINE, (3, 4, 5-TRIMETHOXYPHENETHYLAMINE) 2027:304.
MESITYL OXIDE, 160:342.
MESOPINE, (HOMATROPINE METHYLBROMIDE) 1039:158.
MESOXALYLCARBAMIDE, (ALLOXAN) 68:14.
MESOXALYLUREA, (ALLOXAN) 68:14.
METACIDE, 1240:186.
METANIL YELLOW, (VICTORIA YELLOW) 2082:312.
METANILYLAZODIPHENYLAMINE SODIUM SALT, (VICTORIA YELLOW) 2082:312.
METARSOL, (MONOMETHYLARSINIC ACID DISODIUM) 1397:204.
METASYMPATHOL, (NEO-SYNEPHRINE) 1427:210.
METHACETONE, (DIETHYL KETONE) 628:100; 82:332.
METHACHOLINE HCl, (MECHOLYL HCl) 1226:184.
METHACRYLALDEHYDE, 1241:186; 161:342.
METHACRYLIC ACID (METHYLMETHACRYLATE) 1343:198; 181:344.
α-METHACRYLIC ACID, (METHYLMETHACRYLATE) 1343:198; 181:344.
β-METHACRYLIC ACID, (CROTONIC ACID) 485:80.
METHACRYLIC ACID METHYL ESTER, (METHYLMETHACRYLATE) 1343:198; 181:344.
METHACRYLONITRILE, 1242:186.
D-METHADONE HCl, 1243:186.
DL-METHADONE HCl, 1244:186.
L-METHADONE HCl, 1245:188.
METHADREN(E)), 1246:188.
METHAFORM, (CHLORETONE) 398:66.
METHAFRONE, (VISAMMIN) 2088:314.
METHAMPHETAMINE HCl, (METHEDRINE) 1248:188.
METHANAL, (FORMALDEHYDE) 946:146; 131:338.
METHANEDICARBOXYLIC ACID, (MALONIC ACID) 1217:182.
METHANETHIOL, (METHYL MERCAPTAN) 180:344.
METHANOL, 1247:188; 162:342.
METHANTELINE BROMIDE, (BANTHINE BROMIDE) 212:36.
METHAPYRILENE BASE, (HISTADYL BASE) 1037:158.
METHEDRINE, 1248:188.
METHENAMINE, (CYSTAMIN(E)) 519:84.
METHENEXYL, (EVIPAL) 923:140.
METHENEXYL SODIUM, (HEXOBARBITAL) 1025:156.
METHIOCIL, (METHYLTHIOURACIL) 1378:202.
METHIODAL SODIUM, (SKIODAN) 1787:268.
4-METHOXY-2-AMINOBENZOTHIAZOLE, 1249:188.
5-METHOXY-2-AMINOBENZOTHIAZOLE, 1250:188.
6-METHOXY-2-AMINOBENZOTHIAZOLE, 1251:188.
METHOXYBENZENE, (ANISOLE) 156:26.
p-METHOXYBENZYL ALCOHOL, 1252:188.
N-p-METHOXYBENZYL-N', N'-DIMETHYL-N-α-PYRIDYLETHYLENEDIAMINE HCl, (NEOANTERGAN HCl) 1418:210.
METHOXYCHLOR, 1253:188.
METHOXY-DDT, (METHOXYCHLOR) 1253:188.
2-METHOXYETHANOL, 163:342.
2-METHOXYETHANOL ETHYL ETHER, (ETHYL CELLOSOLVE) 868:132.
METHOXYETHYL OLEATE, 1254:188.
3-METHOXY-4-HYDROXYBENZALDEHYDE, (VANILLIN) 2075:312.
8-(2-METHOXY-3'-HYDROXYMERCURIPROPYL)COUMARIN CARBOXYLIC ACID THEOPHYLLINE, (CUMERTILIN) 491:80.
6-METHOXY-8-(1-METHYL-4-DIETHYLAMINO)-BUTYLAMINOQUINOLINE, (PLASMOQUINE) 1619:238, 240.

7-METHOXY-1-METHYL-9-PYRID[3, 4-b] INDOLE, (HARMINE) 993:152, 154.
0-METHOXYPHENOL, (GUAIACOL) 988:152.
2-METHOXYPHENOXYETHYLBENZYL-β-CHLOROETHYLAMINE, 1255:188.
2-METHOXYPHENOXYETHYL-β-CHLOROETHYLAMINE, 1256:188.
2-METHOXYPHENOXYETHYLDIETHYLAMINE, 1257:190.
2-METHOXYPHENOXYETHYLMETHYLPHENOXYETHYL-β-CHLOROETHYLAMINE, 1258:190.
m-METHOXYPHENYLETHYLAMINE, 1259:190.
p-METHOXYPHENYLETHYLAMINE, 1260:190.
α-(4-METHOXYPHENYL)-β-METHYLAMINOPROPANE, 1261:190.
α-(p-METHOXYPHENYL)-β-METHYLAMINOPROPANE, 1262:190.
1-(p-METHOXYPHENYL)-2-METHYL-1, 3-PROPANDIOL METHYLENE ETHER, 1263:190.
2-METHOXY-4-PROPYLENEPHENOXYETHYLETHYL-β-CHLOROETHYLAMINE, 1264:190.
METHYLACETALDEHYDE, (PROPIONALDEHYDE) 1658:246; 207:348.
METHYL ACETATE, 1265:190; 164:342.
METHYL ACETOACETATE, 1266:190.
METHYLACETOXYMALONONITRILE, (DI-(ACETYLCYANIDE)) 543:90; 59:330.
β-METHYLACROLEIN, (CROTONALDEHYDE) 483:80; 47:328.
METHYL ACRYLATE, 165:342.
METHYL ADRENALIN(E), (METHADREN(E)) 1246:188.
N-METHYLADRENALINE, (METHADREN(E)) 1246:188
4-METHYLAESCULETIN, 1267:190.
METHYLAL, 166:342.
METHYL ALCOHOL, (METHANOL) 1247:188; 162:342.
METHYL ALDEHYDE, (FORMALDEHYDE) 946:146; 131:338.
METHYLAMINE, 1268:190.
2-METHYLAMINOBENZOTHIAZOLE, 1269:190.
4-METHYL-2-AMINOBENZOTHIAZOLE, 1270:190.
5-METHYL-2-AMINOBENZOTHIAZOLE, 1271:190.
6-METHYL-2-AMINOBENZOTHIAZOLE, 1272:190.
6-METHYL-2-AMINOBENZOTHIAZOLE, 4-METHYL, 1273:190.
2-METHYLAMINOETHANOL, 1274:190.
p-DI-β-3-METHYLAMINOETHOXYBENZENE DIIODIDE, 1275:190.
2-METHYL-6-AMINOHEPTANE, 1276:190; also see 81:16 (AMIDRINE)
METHYLAMINOISOOCTENE, (OCTIN) 1465:218.
6-METHYLAMINO-2-METHYLHEPTENE, (OCTIN) 1465:218.
p-(2-METHYLAMINOPROPYL)PHENOL, (VERITOL) 2081:312.
2-METHYL-2-n-AMYL-4-ACETYLMETHYL-1, 3-DIOXOLANE, 1277:190.
2-(3-METHYLAMYL)DIOXASPIRANE, 1278:192.
(3-METHYLAMYL)DIOXASPIRANE, 1279:192.
2-METHYL-2-n-AMYL-1, 3-DIOXOLANE, 1280:192.
2-METHYL-2-AMYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 1281:192.
2-METHYL-2-sec.-AMYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 1282:192.
METHYL AMYL KETONE, 167:342.
N-METHYLANHALONIDINE, (PELLOTINE) 1502:222.
METHYLANILINE, 1283:192.
2-METHYL AZIRIDE, 168:342.
9-METHYL-AZOBICYCLO-NONANOL-DIPHENYLACETATE HCl, 1284:192.
METHYLBENZENE, (TOLUENE) 1984:300; 226:350.
2-METHYLBENZIMIDAZOLE, 1285:192.
2-METHYLBENZOTHIAZOLE, 1286:192.
2-METHYLBENZOTRIAZOLE, 1287:192.
(3-m-METHYLBENZOXYPHENYL)TRIMETHYLAMMONIUM BROMIDE, 1288:192.
(3-p-METHYLBENZOXYPHENYL)TRIMETHYLAMMONIUM BROMIDE, 1289:192.
α-METHYLBENZYLAMINE, 1290:192.
α-METHYLBENZYLAMINE-N-HYDROXYETHYL, 1291:192.
METHYLBENZYL "CELLOSOLVE", 1292:192.
METHYL BROMIDE, 169:342, 344.
2-METHYLBUTADIENE, (ISOPRENE) 153:340.
3-METHYL-2-BUTADIENE, (ISOPRENE) 153:340.
METHYL-BIS-(β-CHLOROETHYL)AMINE, (BUNTE SALT) 1293:192.
METHYL-BIS(β-CHLOROETHYL)AMINE HCl, 1294:192.
2-METHYL-1, 4-BUTANEDIOL, 1295:192.
3-METHYL-1-BUTANOL, (ISOAMYL ALCOHOL) 1120:170.
2-METHYL-2-BUTENE, (AMYLENE) 13:324.
2-METHYL-1-BUTENE-3-ONE, 1296:194; 170:344.
1-METHYLBUTYL CARBAMATE, 1297:194.
4-(2-METHYLBUTYL-2)-2-CHLOROPHENOXYETHOXYETHYL-4-CHLOROBENZYLDIMETHYLAMMONIUM CHLORIDE, 1298:194.
2-METHYL-2-i-BUTYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 1299:194.
2-METHYL-2-n-BUTYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 1300:194.
2-(METHYL-2-BUTYL-3)-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 1301:194.
METHYL BUTYL KETONE, 171:344.
1-METHYLBUTYL-2-PHENYL-2-HYDROXYPROPIONATE, (SARMOL) 1774:266.
3-METHYLBUTYNE, 172:344; also see CROTONYLENE, 48:328.
METHYL "CARBITOL", 1302:194.
17(α)-[1-METHYL-3-CARBOXYPROPYL]-ETIOCHOLANE-3(α), 7(α), 12(α)-TRIOL, (CHOLIC ACID) 433:70.
METHYLCATECHOL, (GUAIACOL) 988:152.
METHYL"CELLOSOLVE",1303:194; 120:336 (as ETHYLENE GLYCOL MONOMETHYL ETHER)
METHYL "CELLOSOLVE" ACETATE, 1304:194.
METHYL CHLORIDE, 173:344.
N-METHYL-N^1-(4-CHLOROBENZHYDRYL)PIPERAZINE 2HCl, (CHLORCYCLOZINE HCl) 395:64.
METHYL-β-CHLOROETHYLAMINE, 1305:194.
METHYL-β-CHLOROETHYLETHYLENIMONIUM PICRYLSULFONATE, 1306:194.
METHYL-β-CHLOROETHYL-β-HYDROXYETHYLAMINE HCl, 1307:194.
METHYLCHLOROFORM, (1, 1, 1-TRICHLOROETHANE) 2002:302; 229:350.
2-METHYL-2-CHLOROMETHYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 1308:194.
METHYL CYANIDE, (ACETONITRILE) 24:8.
METHYLCYCLOHEXANE, 1309:194; 174:344.
METHYLCYCLOHEXANOL, 1310:194.
METHYLCYCLOHEXANONE, 1311:194.
2-METHYL-2-CYCLOHEXYL-4-HYDROXYMETHYL-1, 3-DIOXOLONE, 1312:194.
METHYLDIBENZAZEPINE, 1313:194.
METHYLDIHYDROMORPHINONE, (METOPON) 1385:202.
2-METHYL-4, 6-DINITROPHENOL, (4, 6-DINITRO-o-CRESOL) 757:116.
2-METHYL-1, 3-DIOXOLANE, 175:344.

(METHYLDODECYLBENZYL)TRIMETHYLAMMONIUM CHLORIDE, (HYAMINE 2389) 1042:160.
METHYLENE BICHLORIDE, (DICHLOROMETHANE) 582:94; 72:332.
5, 5'-METHYLENE-BIS-(4, 6-DIOXO-2-METHYLDIHYDROPYRAN), 1314:194.
3, 3'-METHYLENE-BIS[4-HYDROXY-1, 2-BENZOPYRONE], (DICUMAROL) 595:96.
3, 3'-METHYLENE-BIS-[4-HYDROXYCOUMARIN], (DICUMAROL) 595:96.
2, 2'-METHYLENE-BIS-[(4-METHYL-6-BUTYL-3) PHENOL], 1315:194.
METHYLENE-BIS-TETRONIC ACID, 1316:194.
METHYLENE BLUE, 1317:196.
METHYLENE CHLORIDE, (DICHLOROMETHANE) 582:94; 72:332.
3, 4-METHYLENEDIOXIDE-1-ALLYLBENZENE, (SAFROLE) 1749:262.
3, 4-METHYLENEDIOXIDE-1-BENZALDEHYDE, (PIPERONAL) 1614:238.
METHYLENE GREEN, 1318:196.
METHYLENE OXIDE, (FORMALDEHYDE) 946:146; 131:338.
N-METHYLEPINEPHRINE, (METHADREN(E)) 1246:188.
3-METHYLETHYLAMINO-1, 1-DI-(2'-THIENYL) BUTANE HCl, 1319:196.
3-METHYLETHYLAMINO-1, 1-DI-(2'-THIENYL) BUTENE HCl, 1320:196.
METHYLETHYLCARBINOL, (BUTYL ALCOHOL (secondary)) 318:52.
METHYL ETHYL KETONE, (BUTANONE) 25:324.
METHYLETHYLOLAMINE, (2-METHYLAMINOETHANOL) 1274:190.
2-METHYL-5-ETHYLPYRIDINE, 1321:196; 176:344.
METHYL FLUOROACETATE and FLUOROETHANOL, mixture of, ("FLUOROACETATE") 936:142, 144.
METHYL-γ-FLUOROBUTYRATE, 1322:196.
METHYL FORMATE, 177:344.
METHYL-p-GLYCOL, (DORMISON) 792:120.
METHYLGUANIDINE, 1323:196.
3-METHYL-5-HEPTANONE, 1324:196.
2-METHYL-2-n-HEPTYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 1325:196.
METHYLHEXAMINE, (4-METHYL-2-HEXYLAMINE) 1328:196.
2-METHYLHEXANE, 178:344.
2-METHYL-2-HEXYLAMINE, 1326:196.
3-METHYL-2-HEXYLAMINE, 1327:196.
4-METHYL-2-HEXYLAMINE, 1328:196.
5-METHYL-2-HEXYLAMINE, 1329:196.
2-METHYL-2-n-HEXYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 1330:196.
2-METHYL-2-HEXYL-METHYLAMINE, 1331:196.
3-METHYL-2-HEXYL-METHYLAMINE, 1332:198.
4-METHYL-2-HEXYL-METHYLAMINE, 1333:198.
5-METHYL-2-HEXYL-METHYLAMINE, 1334:198.
METHYLHYDANTOIN, (MESANTOIN) 1239:186.
4-METHYL-1-HYDRAZINOPHTHALAZINE, 1335:198.
2-METHYL-3-HYDROXY-4, 5-BIS(HYDROXYMETHYL) PYRIDINE, (PYRIDOXINE) 1694:252.
METHYL-7-HYDROXYCOUMARIN-DIETHOXYTHIOPHOSPHORIC ESTER, 1336:198.
METHYL-(β-HYDROXYETHYL)AMINE, (2-METHYLAMINOETHANOL) 1274:190.
METHYL-β-HYDROXYETHYLETHYLENIMONIUM PICRYLSULFONATE, 1337:198.
1-METHYL-3-HYDROXY-4-ISOPROPYLBENZENE, (THYMOL) 1982:298, 300.
1-METHYL-7-HYDROXY-2, 9-PYRIDINDOLE, (HARMOL) 994:154.
β-(5-METHYLIMIDAZOLYL-[4])ETHYLAMINE, 1338:198.
β-(5-METHYLIMIDAZOLYL-[4])METHYLAMINE, 1339:198.
β-METHYLINDOLE, (SKATOLE) 1786:268.
METHYL IODIDE, 1340:198; 179:344.
METHYL ISOBUTYL KETONE, ("HEXONE") 141:338.
METHYLISOMYN, (METHEDRINE) 1248:188.
METHYLISOPROPYLBENZENE, (CYMENE) 518:84.
5-METHYL-2-ISOPROPYL-1-PHENOL, (THYMOL) 1982:298, 300.
METHYL MERCAPTAN, 180:344.
METHYLMERCURY CHLORIDE, 1341:198.
METHYLMERCURY THIOGLYCOLATE SODIUM, 1342:198.
METHYLMETHACRYLATE, 1343:198; 181:344.
4-METHYL-6-METHYL-2-AMINOBENZOTHIAZOLE, (6-METHYL-2-AMINOBENZOTHIAZOLE, 4-METHYL) 1273:190.
2-METHYL-2-(1'-METHYLOL-n-AMYL)-1, 3-DIOXOLANE, 1344:198.
2-METHYL-2-L-METHYLPENTYL-4-HYDROXYMETHYL-1-DIOXOLANE, 1345:198.
METHYLMORPHINE HCl, (CODEINE HCl) 453:72.
N-METHYLMORPHOLINE, 1346:198.
4-METHYLMORPHOLINE, 182:344.
METHYL-1-NAPHTHALENEACETIC ACID, 1347:198.
2-METHYL-1, 4-NAPHTHOQUINONE, (MENADIONE) 1228:184.
METHYLPARAFYNOL, (DORMISON) 792:120.
2-METHYL-2, 4-PENTANDIOL, 1348:198.
METHYLPENTANEDIOL-2, 4, 1349:198.
2-METHYLPENTANOL-1, 1350:198.
2-METHYL-2-PENTENE-1-OL, 1351:198.
4-METHYL-3-PENTEN-2-ONE, (MESITYL OXIDE) 160:342.
3-METHYLPENT-4-EN-1-YN-3-OL, 1352:200.
3-METHYLPENTYNE-1-OL, 1353:200.
3-METHYL-1-PENTYN-3-OL, (DORMISON) 792:120.
DL-α-METHYLPHENETHYLAMINE, (BENZEDRINE) 224:40.
DL-α-METHYLPHENETHYLAMINE SULFATE, (BENZEDRINE SULFATE) 225:40.
m-METHYLPHENOL, (m-CRESOL) 480:78.
o-METHYLPHENOL, (o-CRESOL) 481:78.
p-METHYLPHENOL, (p-CRESOL) 482:78.
2-METHYLPHENOXYETHYLBENZYL-β-CHLOROETHYLAMINE, 1354:200.
2-METHYLPHENOXYETHYL-β-CHLOROETHYLAMINE, 1355:200.
4-METHYLPHENOXYETHYL-β-CHLOROETHYLAMINE, 1356:200.
2-METHYLPHENOXYETHYLDIETHYLAMINE, 1357:200.
2-METHYLPHENOXYETHYL-β-HYDROXYETHYLAMINE, 1358:200.
2-METHYLPHENOXYETHYL-1-METHYLNAPHTHOL-β-CHLOROETHYLAMINE, 1359:200.
b-2-METHYLPHENOXYISOPROPYLBENZYL-α-CHLOROETHYLAMINE, 1360:200.
2-METHYLPHENOXYPROPYLENEBENZYLCHLOROETHYLAMINE, 1361:200.
N-METHYL-4-PHENYL-4-CARBETHOXYPIPERIDINE HCl, (DEMEROL HCl) 531:88.
2-METHYLPHENYLDIETHYLETHER-ETHYL-β-CHLOROETHYLAMINE, 1362:200.
3-METHYL-5, 5-PHENYLETHYLHYDANTOIN, (MESANTOIN) 1239:186.
2-METHYL-2-PHENYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 1363:200.
2-METHYLPHENYLISOPROPYLAMINE, 1364:200.

3-METHYLPHENYLISOPROPYLAMINE, 1365:200.
4-METHYLPHENYLISOPROPYLAMINE, 1366:200.
N-METHYL-N-PHENYL-tert.-BUTYLAMINE, (MEPHENTERMINE) 1232:184.
2-METHYL-9-PHENYL-2, 3, 4, 9-TETRAHYDRO-1-PYRIDINDENE, (THEPHORIN) 1965:296.
2-METHYLPHENYLTHIOETHYLBENZYL-β-CHLOROETHYLAMINE, 1367:200.
2-METHYLPHENYLTHIOETHYL-β-CHLOROETHYLAMINE, 1368:200.
2-METHYLPHENYLTHIOETHYLETHYL-β-CHLOROETHYLAMINE, 1369:200.
METHYL PHTHALATE, (DIMETHYL PHTHALATE) 748:116; 94:334.
2-METHYL-3-PHYTYL-1, 4-NAPHTHOQUINONE, (VITAMIN K) 2092:314.
N-METHYLPIPERIDINE, 1370:200.
DL-(2-METHYLPIPERIDINO)PROPYLBENZOATE HCl, (METYCAINE HCl) 1387:204.
2-METHYLPROPENOIC ACID METHYL ESTER, (METHYLMETHACRYLATE) 1343:198; 181:344.
METHYLPROPYLENEBENZAZEPINE IODIDE, 1371:200.
2-METHYL-2-n-PROPYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 1372:200.
METHYL PROPYL KETONE, (PENTANONE) 200:346.
METHYLPROTOCATECHUIC ALDEHYDE, (VANILLIN) 2075:312.
1-METHYL-9H-PYRID[3, 4-b]-INDOLE, (HARMANE) 992:152.
2-METHYLPYRIDINE, 183:344; also see α-PICOLINE 1604:236.
METHYLPYRIDIUM CHLORIDE, 1373:200.
METHYLPYRIDINIUM HYDROXIDE, 1374:200.
1-METHYL-2-(3-PYRIDYL)PYRROLIDINE, (NICOTINE) 1436:212.
2-METHYLQUINOLINE, (QUINALDINE) 1706:254.
METHYLROSANILINE CHLORIDE, (CRYSTAL VIOLET) 489:80.
METHYL SALICYLATE, 1375:202.
METHYL SILICATE, 184:344.
METHYL STYRYL PHENYL KETONE, (DYPNONE) 796:122.
METHYL SULFATE, (DIMETHYL SULFATE) 751:116; 95:334.
METHYL SULFOCYANATE, (METHYL THIOCYANATE) 1377:202.
METHYL-1, 2, 5, 6-TETRAHYDRO-1-METHYLNICOTINATE, (ARECOLINE) 185:30.
N-METHYL-N-2, 4, 6-TETRANITROANILINE, (TETRYL) 1954:294.
METHYLTHEOBROMINE, (CAFFEINE) 351:56.
2-METHYL-2-α-THIENYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 1376:202.
METHYL THIOCYANATE, 1377:202.
METHYLTHIONINE CHLORIDE, (METHYLENE BLUE) 1317:196.
METHYLTHIOURACIL, 1378:202.
4-METHYL-2-THIOURACIL, (METHYLTHIOURACIL) 1378:202.
6-METHYL-2-THIOURACIL, (METHYLTHIOURACIL) 1378:202.
2-METHYL-o-TOLYL-4-HYDROXYMETHYL-1, 3-DIOXOLANE, 1379:202.
METHYLTRIMETHYLAMMONIUM IODIDE, 1380:202.
METHYL-(β-TRIMETHYLAMMONIUM)PROPIONATE, 1381:202.
METHYL VIOLET 6B, 1382:202.
3-METHYLXANTHINE, 1383:202.
METHYL-p-XENYLACETATE ESTER OF β-PIPERIDINOETHANOL, 1384:202.
METOPON, 1385:202.
METRAZOL, 1386:202, 204.
METYCAINE HCl, 1387:204.
MEZCALINE, (3, 4, 5-TRIMETHOXYPHENETHYLAMINE) 2027:304.
MIADON, (DL-METHADONE HCl) 1244:186.
MICRURUS FRONTALIS, (SNAKE VENOM) 1790:268.
MILK SUGAR, (LACTOSE) 1162:174.
MILLOSIDE, 1388:204.
MINIUM, (LEAD OXIDE) 1185:176.
MINTACOL, 1389:204.
MIRACIL D, 1390:204.
MIRBANE, oil of, (NITROBENZENE) 1443:214.
MOLYBDENUM TRIOXIDE, 1391:204.
MOLYBDIC ANHYDRIDE, (MOLYBDENUM TRIOXIDE) 1391:204.
MONACETIN, 1392:204.
MONOBROMOETHANE, (ETHYL BROMIDE) 111:336.
2-MONOBROMOISOVALERYLUREA, (BROMURAL) 303:50.
MONOCAINE HCl, 1393:204.
MONOCHLOROACETIC ACID, (CHLOROACETIC ACID) 399:66.
MONOCHLORO-MONOBROMO-METHANE, 185:344.
MONO-o-CRESOL-PHOSPHATE, 1394:204.
MONOETHANOLAMINE HCl, (ETHANOLAMINE HCl) 832:130.
MONOETHYLAMINE, (ETHYLAMINE) 851:132.
MONOFLUOROETHANOL, 1395:204.
MONOIODOACETIC ACID, 1396:204.
MONOMETHYLAMINE, (METHYLAMINE) 1268:190.
MONOMETHYLANILINE, (METHYLANILINE) 1283:192.
MONOMETHYLARSINIC ACID DISODIUM, 1397:204.
MONOMETHYLNICOTINIUM IODIDE, 1398:204.
MONOPROPYLENEMETHYL ETHER, 1399:204.
MONOSODIUM-N-PHENYLGLYCINAMIDE-p-ARSONATE, (TRYPARSAMIDE) 2047:308.
MOOGROL, (ETHYL CHAULMOOGRATE) 870:132.
MORANYL, (GERMANIN) 968:148.
MORPHIA, (MORPHINE) 1400:204, 206.
MORPHINA, (MORPHINE) 1400:204, 206.
MORPHINE, 1400:204, 206.
MORPHINE SULFATE, 1401:206.
MORPHIUM, (MORPHINE) 1400:204, 206.
MORPHOLINE, 1402:206.
6-(N-MORPHOLINO)-4, 4-DIPHENYL-3-HEPTANONE, (HEPTAZONE) 1004:154.
6-(N-MORPHOLINO)-4, 4-DIPHENYL-3-HEPTANONE HCl, (HEPTAZONE HCl) 1005:154.
MS-752, (MIRACIL D) 1390:204.
MURIATIC ACID, (HYDROCHLORIC ACID) 145:340.
MUSAROSIDE, 1403:206.
MUSCARINE (native), 1404:206.
MUSCARINE (CHOLINE) 1405:206.
MUSCARINE, synthetic, (MUSCARINE CHOLINE) 1405:206.
MUSTARD GAS, 1406:206, 208; 186:344.
MUSTARGEN, (METHYL-BIS(β-CHLOROETHYL)AMINE HCl)1294:192.
MUSTINE, (METHYL-BIS(β-CHLOROETHYL)AMINE HCl) 1294:192.
MYANESIN, 1407:208.
MYDRIATINE, (PROPADRINE) 1656:246.
MYODETENSINE, (MYANESIN) 1407:208.
MYRISTICIN, 1408:208.
MYRISTIL-γ-PICOLINIUM CHLORIDE, 1409:208.
MYRTOCOLORIN, (RUTIN) 1746:262.

NABAM, 1410:208.
NAEPAINE HCl, (STOVAINE) 1874:282.
NAGANOL, (GERMANIN) 968:148.

NALUTRON, (PROGESTERONE) 1653:246.
NAMURON, (PHANODORN) 1519:226, 228.
NAPHAZOLINE, (PRIVINE) 1651:244.
NAPHTHALANE, (DECAHYDRONAPHTHALENE) 525:86; 57:330.
NAPHTHALENEACETIC ACID, 1411:208.
NAPHTHALIDINE, (α-NAPHTHYLAMINE) 1414:208.
NAPHTHANE, (DECAHYDRONAPHTHALENE) 525:86; 57:330.
α-NAPHTHOL, 1412:208.
β-NAPHTHOL, 1413:208.
NAPHTHYLACETIC ACID, (NAPHTHALENEACETIC ACID) 1411:208.
α-NAPHTHYLAMINE, 1414:208.
NAPHTHYLAMINE BLUE, (TRYPAN BLUE) 2046:308.
α-NAPHTHYLMETHYLIMIDAZOLINE, (PRIVINE) 1651:244.
2-(1-NAPHTHYLMETHYL)IMIDAZOLINE, (PRIVINE) 1651:244.
2-(1-NAPHTHYLMETHYL)-2-IMIDAZOLINE, (PRIVINE) 1651:244.
1-NAPHTHYLOXYETHYLETHYL-β-CHLOROETHYLAMINE, 1415:208.
2-NAPHTHYLOXYETHYLETHYL-β-CHLOROETHYLAMINE, 1416:208.
α-NAPHTHYLTHIOUREA, (ANTU) 175:30.
1-(1-NAPHTHYL)-2-THIOUREA, (ANTU) 175:30.
NAPHURIDE SODIUM, (GERMANIN) 968:148.
NARCOSINE, (NARCOTINE) 1417:208, 210.
NARCOTINE, 1417:208, 210.
1-α-NARCOTINE, (NARCOTINE) 1417:208, 210.
NEMBUTAL, (PENTOBARBITAL SODIUM) 1514:226.
NEOANTERGAN HCl, 1418:210.
NEOANTIMOSAN, (FUADIN) 953:146.
NEOARSPHENAMINE, 1419:210.
NEOCID, (DDT) 523:86.
NEODYMIUM CHLORIDE, 1420:210.
NEOGERMITRINE, 1421:210.
NEOHETRAMINE HCl, 1422:210.
NEOMETHIODAL, (DIODRAST) 766:118.
NEOMYCIN SULFATE, 1423:210.
NEONAL, 1424:210.
NEONICOTINE, (ANABASINE) 147:26.
NEOSALVARSAN, (NEOARSPHENAMINE) 1419:210.
NEO-SKIODAN, (DIODRAST) 766:118.
NEOSTIGMINE, 1425:210.
NEOSTIGMINE METHYLSULFATE, 1426:210.
NEO-STREPSAN, (SULFATHIAZOLE) 1905:288.
NEO-SYNEPHRINE, 1427:210.
NEOTHESIN HCl, (METYCAINE HCl) 1387:204.
NEOTRAN, (BIS(p-CHLOROPHENOXY)METHANE) 278:46; 20:324.
NERIIN, 1428:212.
NESDONAL SODIUM, (PENTOTHAL SODIUM) 1515:226.
NEURINE, 1429:212.
NEUROBARB, (LUMINAL) 1204:180.
NEUTRAL RED, 1430:212.
NIACIN, (NICOTINIC ACID) 1441:214.
NIACINAMIDE, (NICOTINAMIDE) 1434:212.
NIAGARA BLUE, (TRYPAN BLUE) 2046:308.
NICAMINDON, (NICOTINAMIDE) 1434:212.
NICKEL CARBONYL, 187:344.
NICKEL CHLORIDE, 1431:212.
NICKEL SULFATE, 1432:212.
NICKEL TETRACARBONYL, (NICKEL CARBONYL) 187:344.
NICOTAMIDE, (NICOTINAMIDE) 1434:212.
NICOTILAMIDE, (NICOTINAMIDE) 1434:212.
NICOTINALDEHYDE THIOSEMICARBAZONE, 1433:212.
NICOTINAMIDE, 1434:212.
NICOTINAMIDE METHOCHLORIDE, 1435:212.
NICOTINE, 1436:212.
NICOTINE (base) 1437:212.
α-NICOTINE, 1438:212.
D-NICOTINE HCl, 1439:212.
L-NICOTINE HCl, 1440:214.
NICOTINIC ACID AMIDE, (NICOTINAMIDE) 1434:212.
NICOTINIC ACID, N-METHYLBETAINE of, (TRIGONELLINE) 2025:304.
NICOTINIC ACID, SODIUM SALT, 1441:214.
NIFOS, (TETRAETHYL PYROPHOSPHATE) 1937:292.
NIKETHAMIDE, (CORAMINE) 471:76.
NIOFORM, (VIOFORM) 2087:314.
NIRAN, (PARATHION) 1494:222.
NISENTIL HCl, 1442:214.
NITROBENZENE, 1443:214.
NITROBENZOL, (NITROBENZENE) 1443:214.
2-NITRO-1, 1-BIS-(p-CHLOROPHENYL)BUTANE, (BULAN) 307:50.
2-NITRO-1, 1-BIS-(p-CHLOROPHENYL)PROPANE, (PROLAN) 1654:246.
NITROCARBOL, (NITROMETHANE) 1448:214; 190:346.
NITROCHLOROFORM, (CHLOROPICRIN) 424:68; 44:328.
NITROCHOLINE, 1444:214.
NITROETHANE, 188:344, 346.
2-NITRO-2-ETHYL-1, 3-PROPANDIOLBUTYRALDEHYDEACETAL, 1445:214.
5-NITRO-2-FORMALDEHYDE SEMICARBAZONE, (FURACIN) 957:146.
NITROGEN MONOXIDE, (NITROUS OXIDE) 193:346.
NITROGEN MUSTARDS, (ETHYL-BIS-(β-CHLOROETHYL)AMINE) 871:132, 134; (ISOPROPYL-BIS-(β-CHLOROETHYL)AMINE) 1144:172; (METHYL-BIS-(β-CHLOROETHYL)AMINE HCl) 1294:192; (TRIS(β-CHLOROETHYL)AMINE) 2040:306.
NITROGEN OXIDE, 189:346.
NITROGLYCERIN, (NITROGLYCEROL) 1446:214.
NITROGLYCEROL, 1446:214.
NITROGLYCOL (MONO-), 1447:214.
NITROMETHANE, 1448:214; 190:346.
2-NITRO-2-METHYL-1, 3-PROPANDIOL, 1449:216.
2-NITRO-2-METHYL-1, 3-PROPANDIOLBUTYRALDEHYDE ACETAL, 1450:216.
m-NITROPHENOL, 1451:216.
o-NITROPHENOL, 1452:216.
p-NITROPHENOL, 1453:216.
p-NITROPHENYLDIMETHYLTHIONOPHOSPHATE, 1454:216; also see METACIDE 1240:186.
N'-p-NITROPHENYLUREA PROPIONIC ACID, (SUOSAN) 1909:288.
1-NITROPROPANE, 191:346.
2-NITROPROPANE, 192:346.
NITROUS OXIDE, 193:346.
NITROXANTHIC ACID, (PICRIC ACID) 1606:236.
NOCTAL, 1455:216.
n-NONYLTRIMETHYLAMMONIUM IODIDE, 1456:216.
DL-NOREPHEDRINE, (PROPADRINE) 1656:246.
D-NORNICOTINE, 1457:216.
DL-NORNICOTINE, 1458:216.
L-NORNICOTINE, 1459:216.
NORODIN HCl, (METHEDRINE) 1248:188.
NOSOPHENE SODIUM, (IODEIKON) 1107:168.
NOSTAL, (NOCTAL) 1455:216.
NO-SYLAN, (DIODRAST) 766:118.
NOVACRYSIN, (SANOCHRYSINE) 1765:264.
NOVARSENOBENZOL, (NEOARSPHENAMINE) 1419:210.
NOVATRINE, (HOMATROPINE METHYLBROMIDE) 1039:158.
NOVATROPINE, (HOMATROPINE METHYLBROMIDE) 1039:158.
NOVOCAINE, (PROCAINE) 1652:244, 246.

NOVOCOL, (STOVAINE) 1874:282.
NU 1196, (NISENTIL HCl) 1442:214.
NU 1504, (THEPHORIN) 1965:296.
NU 2206 HBr, (DROMORAN HBr) 794:122.
NUMAL, 1460:216.
NUMOQUIN, (OPTOCHIN) 1478:218.
NUNOL, (LUMINAL) 1204:180.
NUPERCAINE, 1461:216.
NYDRACIDE, 1462:216.
NYDRAZID, 1463:218.

1, 2, 4, 5, 6, 7, 8, 8-OCTACHLORO-2, 3, 3a, 4, 7, 7a-HEXAHYDRO-4, 7-METHANOINDENE (CHLORDAN(E)) 396:64, 66.
OCTA-KLOR, (CHLORDAN(E)) 396:64, 66.
OCTAMETHYL PYROPHOSPHORAMIDE, (OMPA) 1476:218.
OCTANE-1, 8-DIAMINE 2HCl, 1464:218.
OCTIN, 1465:218.
n-OCTYLBICYCLOHEPTANEDICARBOXIMIDE, (VAN DYKE 264) 2074:312.
OCTYL THIOCYANATE, 1466:218.
n-OCTYLTRIMETHYLAMMONIUM IODIDE, 1467:218.
ODOROBIOSIDE G MONOACETATE, 1468:218.
ODOROBIOSIDE K, 1469:218.
ODOROSIDE D, 1470:218.
ODOROSIDE H MONOACETATE, 1471:218.
ODOROSIDE K, 1472:218.
ODOROTRIOSIDE G MONOACETATE, 1473:218.
OIL of MIRBANE, (NITROBENZENE) 1443:214.
OIL of WINTERGREEN, natural or synthetic, (METHYL SALICYLATE) 1375:202.
OLEANDER DIGITALEIN, (NERIIN), 1428:212.
OLEANDRIN, 1474:218.
OLEFIANT GAS, (ETHYLENE) 115:336.
OLEYLPOLYOXETHYLENE GLYCOL ETHER, 1475:218.
OMAL, (2, 4, 6-TRICHLOROPHENOL) 2009:302.
OMPA, 1476:218.
ONYXIDE, 1477:218.
OPACIN, (IODEIKON) 1107:168.
OPARENAL, (DIODRAST) 766:118.
OPIAN, (NARCOTINE) 1417:208, 210.
OPIANINE, (NARCOTINE) 1417:208, 210.
OPTOCHIN, 1478:218.
OPTOQUINE, (OPTOCHIN) 1478:218.
ORANIXON, (MYANESIN) 1407:208.
ORGANINE, (RYANIA) 1747:262.
ORTAL SODIUM, 1479:218.
ORTHOBORIC ACID, (BORIC ACID) 293:48.
ORTHOTRAN, 1480:218.
OSYRITIN, (RUTIN) 1746:262.
OSYRITRIN, (RUTIN) 1746:262.
OUABAIN, (STROPHANTHIN G) 1886:284.
OUABAINE, (STROPHANTHIN G) 1886:284.
OXALDEHYDE, (GLYOXAL) 984:152.
OXALIC ACID, 1481:220.
OXALIC NITRILE, (DICYAN) 596:96.
OXAMMONIUM HCl, (HYDROXYLAMINE HCl) 1069:162.
OXATHIANE, 1482:220.
p-OXATHIANE, 194:346.
OXIARSOLAN, (MAPHARSEN) 1224:182.
OXINE, (8-HYDROXYQUINOLINE) 1096:166.
OXOLE, (FURAN) 132:338.
OXOMETHANE, (FORMALDEHYDE) 946:146; 131:338.
OXOPHENARSAMINE HCl, (MAPHARSEN) 1224:182.
OXYBENZENE, (PHENOL) 1524:228.
OXYMETHYLENE, (FORMALDEHYDE) 946:146; 131:338.
α-(p-OXYPHENYL)-β-METHYLAMINOPROPANE, 1483:220.
OXYQUINOLINE, (8-HYDROXYQUINOLINE) 1096:166.
OZONE, 195:346.

PABA, (p-AMINOBENZOIC ACID) 88:18.
PALINUM, (PHANODORN) 1519:226, 228.
PALLADIUM CHLORIDE, 1484:220.
PALLADOUS CHLORIDE, (PALLADIUM CHLORIDE) 1484:220.
PALUDRINE HCl, 1485:220.
PALUSIL HCl, (PALUDRINE HCl) 1485:220.
PANPARNIT, (PARPANIT) 1496:222.
PANTHESIN, 1486:220.
PANTOCAINE, 1487:220.
PANTOTHENIC ACID, (CALCIUM SALT) 1488:220.
PAPAVERINE, 1489:220.
PAPAVERINE-3-CARBOXYLIC ACID, 1490:220.
PAPP, (p-AMINOPROPIOPHENONE) 114:20.
PARA-AMINOBENZOIC ACID, (p-AMINOBENZOIC ACID) 88:18.
PARACETALDEHYDE, (PARALDEHYDE) 1491:220, 222.
PARALDEHYDE, 1491:220, 222.
PARAMANDELIC ACID, (MANDELIC ACID) 1219:182.
PARAMORPHAN, (DILAUDID HCl) 671:106.
PARAMORPHINE, (THEBAINE) 1959:294.
PARAOXONE, 1492:222.
PARASORBIC ACID, 1493:222.
PARATHION, 1494:222.
PARATHION, METHYL ANALOGUE of, (p-NITROPHENYLDIMETHYLTHIONOPHOSPHATE) 1454:216.
PAREDRINOL, (VERITOL) 2081:312.
PARIS GREEN, 1495:222.
PARITOL, (HEPARINOID) 997:154.
PARODYNE, (ANTIPYRINE) 173:28.
PARPANIT, 1496:222.
PARROT GREEN, (PARIS GREEN) 1495:222.
PARSIDOL (base) 1497:222.
PATULIN, 1498:222.
PAULIOSIDE, 1499:222.
PDDB, 1500:222.
PELENTAN, (TROMEXAN) 2044:308.
PELLAGRA PREVENTIVE FACTOR, (NICOTINIC ACID) 1441:214.
PELLETIERINE, 1501:222.
PELLOTINE, 1502:222.
PELONINAMIDE, (NICOTINAMIDE) 1434:212.
α-PELTATIN, 1503:222.
PENDIOMID, 1504:224.
PENICIDIN, (PATULIN) 1498:222.
PENICILLIC ACID, 1505:224.
PENICILLIN, 1506:224.
PENICILLIN G, (PENICILLIN) 1506:224.
PENTABORANE, 196:346.
PENTABORON ENNEAHYDRIDE, (PENTABORANE) 196:346.
PENTABROMOPHENOL, 1507:224.
PENTACHLOROETHANE, 1508:224; 197:346.
PENTACHLOROPHENOL, 1509:224.
PENTADIGALLOYL esterlike compound of GLUCOSE, (TANNIC ACID) 1917:290.
3, 3', 4', 5, 7-PENTAHYDROXYFLAVONE, (QUERCITIN) 1704, 1705:254.
3, 3', 4', 5, 7-PENTAHYDROXYFLAVONE-3-RUTINOSIDE, (RUTIN) 1746:262.
PENTALIN, (PENTACHLOROETHANE) 1508:224; 197:346.
PENTAMETHYLBENZYL-p-ROSANILINE HCl, (METHYL VIOLET 6B) 1382:202.

N, N, N', N'-3-PENTAMETHYL-N, N'-DIETHYL-3-AZOPENTYLENE-1, 5-DIAMMONIUM DIBROMIDE, (PENDIOMID) 1504:224.
PENTAMETHYLENE, (CYCLOPENTANE) 55:330.
PENTAMETHYLENEDIPROPIONATE, 1510:224.
1, 5-PENTAMETHYLENETETRAZOLE, (METRAZOL) 1386:202, 204.
PENTANE, 198:346.
PENTANE, normal, (PENTANE) 198:346.
n-PENTANE, (PENTANE) 198:346.
PENTANEDIOL-2, 4, 1511:224.
1, 5-PENTANEDIOLDIPROPIONATE, (PENTAMETHYLENEDIPROPIONATE) 1510:224.
2, 4-PENTANEDIONE, 199:346.
3-PENTANOL, 1512:224.
PENTANONE, 200:346.
PENTANONE-3, 1513:226.
3-PENTENE-2-ONE, 201:346.
PENTOBARBITAL SODIUM, 1514:226.
PENTOBARBITAL, soluble, (PENTOBARBITAL SODIUM) 1514:226.
PENTOTHAL SODIUM, 1515:226.
PENTYL, (PENTOBARBITAL SODIUM) 1514:226.
PENTYLCARBINOL, (1-HEXANOL) 1023:156.
PENTYLENETETRAZOLE, (METRAZOL) 1386:202, 204.
PEPPERMINT CAMPHOR, (MENTHOL (NATURAL)) 1229:184.
PER-ABRODIL, (DIODRAST) 766:118.
PERAEMON, (VITAMIN B_{12}) 2090:314.
PERAZIL, (CHLORCYCLOZINE HCl) 395:64.
PERAZYL, (CHLORCYCLOZINE HCl) 395:64.
PERCAINE, (NUPERCAINE) 1461:216.
PERCHLOROETHANE, (HEXACHLOROETHANE) 1016:156.
PERCHLOROETHYLENE, (TETRACHLOROETHYLENE) 1930:290, 292; 220:350.
PERCHLOROMETHANE, (CARBON TETRACHLORIDE) 371:60; 38:328.
PERHYDRONAPHTHALENE, (DECAHYDRONAPHTHALENE) 525:86; 57:330.
PERILLA ANTI-ALDOXIME, (PERILLARTINE) 1516:226.
PERILLARTINE, 1516:226.
PERIPLOCIN, 1517:226.
PERIPLOCOSIDE, (PERIPLOCIN) 1517:226.
PERNIPUR, (VITAMIN B_{12}) 2090:314.
PERNOCTON, (PERNOSTON) 1518:226.
PERNOSTON, 1518:226.
PERRADIOGRAPHOL, (DIODRAST) 766:118.
PERVITIN, (METHEDRINE) 1248:188.
PESTOX III, (OMPA) 1476:218.
PETHIDINE HCl, (DEMEROL HCl) 531:88.
PETROHOL, (ISOPROPYL ALCOHOL) 1140:170, 172; 155:340.
PETROL (British), (GASOLINE) 133:338.
PHANODORM, (PHANODORN) 1519:226, 228.
PHANODORN, 1519:226, 228.
PHEMERIDE, (HYAMINE 1622) 1041:160.
PHEMERNITE, (PHENYLMERCURIC NITRATE) 1578:234.
PHEMEROL CHLORIDE, (HYAMINE 1622) 1041:160.
PHEMEROL CHLORIDE MONOHYDRATE, (HYAMINE 1622) 1041:160.
PHENACAINE HCl, 1520:228.
PHENACETIN, 1521:228.
PHENANTOIN, (MESANTOIN) 1239:186.
PHENARGAN, (LERGIGAN) 1193:178.
PHENAZONE, (ANTIPYRINE) 173:28.
PHENERGAN HCl, 1522:228.
PHENETHYLAMINE, (PHENYLETHYLAMINE) 1562:232.
PHENETHYLAMINE HCl, (PHENYLETHYLAMINE HCl) 1563:232.
p-PHENETOLCARBAMIDE, (DULCIN) 795:122.
PHENETOLE, 1523:228.
PHENIC ACID, (PHENOL) 1524:228.
PHENINDAMINE, (THEPHORIN) 1965:296.
PHENMERZYL NITRATE, (PHENYLMERCURIC NITRATE) 1578:234.
PHENOBARBITAL, (LUMINAL) 1204:180.
PHENOBARBITONE, (LUMINAL) 1204:180.
PHENOL, 1524:228.
PHENOL, methyl ester of, (ANISOLE) 156:26.
PHENONYL, (LUMINAL) 1204:180.
PHENOPROPAZINE BASE, (PARSIDOL (base)) 1497:222.
PHENOTHIAZINE, 1525:228.
PHENOXUR, (PHENOTHIAZINE) 1525:228.
2-PHENOXYETHYL ACETATE, 1526:228.
PHENOXYETHYLBENZYLETHYLAMINE, 1527:228.
β-PHENOXYETHYLDIMETHYLDODECYLAMMONIUM BROMIDE, (PDDB) 1500:222.
PHENOXYETHYLETHYL-β-CHLOROETHYLAMINE, 1528:228.
3-PHENOXY-1, 2-PROPANEDIOL, 1529:228.
6-PHENOXYPROPYLBENZYL-β-CHLOROETHYLAMINE, 1530:228.
PHENOXYPROPYLETHYL-β-CHLOROETHYLAMINE, 1531:228.
PHENURONE, 1532:228.
N-PHENYLACETAMIDE, (ACETANILIDE) 16:6.
(3-PHENYLACETOXYPHENYL)TRIMETHYLAMMONIUM BROMIDE, 1533:228.
3-α-PHENYL-β-ACETYLETHYL-4-HYDROXYCOUMARIN, (WARFARIN) 2095:314.
PHENYLACETYL-K-STROPHANTHIDIN, 1534:228.
PHENYLACETYL UREA, (PHENURONE) 1532:228.
PHENYLAMINE, (ANILINE) 153:26; 15:324.
α-PHENYL-β-AMINOBUTANE, 1535:230.
α-PHENYL-β-AMINOBUTANOL, 1536:230.
α-PHENYL-β-AMINOETHANE, 1537:230.
α-PHENYL-β-AMINOETHANOL, (PHENYLETHANOLAMINE) 1559:232.
α-PHENYL-β-AMINOPENTANE, 1538:230.
α-PHENYL-β-AMINOPENTANOL, 1539:230.
α-PHENYL-β-AMINOPROPANE, 1540:230.
β-PHENYL-α-AMINOPROPANE, 1541:230.
1-PHENYL-2-AMINOPROPANE, (BENZEDRINE) 224:40.
1-PHENYL-2-AMINOPROPANE SULFATE, (BENZEDRINE SULFATE) 225:40.
DL-1-PHENYLAMINOPROPANE SULFATE, 1542:230.
α-PHENYL-β-AMINOPROPANOL, (PROPADRINE) 1656:246.
PHENYLARSENOXIDE, 1543:230.
β-PHENYLAZO-α, α'-DIAMINEPYRIDINE HCl, (PYRIDIUM) 1693:252.
PHENYLAZO-α-DIAMINOPYRIDINE HCl, (PYRIDIUM) 1693:252.
PHENYLBENZENE, (BIPHENYL) 267:46; 100:334.
α-PHENYL-β-BENZYLAMINOPROPANOL, 1544:230.
N-PHENYL-N-BENZYL-N', N'-DIMETHYLETHYLENEDIAMINE HCl, (ANTERGAN), 159:26.
PHENYLBORIC ACID, 1545:230.
α-PHENYLBUTANOLMETHYLAMINE, 1546:230.
PHENYLBUTAZONE, 1547:230.
α-PHENYL-β-BUTYLAMINOPROPANE, 1548:230.
α-PHENYL-β-BUTYLAMINOPROPANOL, 1549:230.

PHENYLCARBINOL, (BENZYL ALCOHOL) 256:44; 19:324.
9-PHENYL-9-CHLORO-10-METHYL-3-DIMETHYLAMINOACRIDAN 2HCl, (ACRIDAN) 51:12.
2-PHENYLCINCHONINIC ACID, (CINCHOPHEN) 443:70.
PHENYL CYANIDE, (BENZONITRILE) 246:44.
2-PHENYLCYCLOHEXANOL, 1550:230.
1-PHENYLCYCLOPENTANE CARBOXYLIC ACID HCl, DIETHYLAMINOETHYL ESTER of, (PARPANIT) 1496:222.
α-PHENYLDIAMINOPROPANOL, 1551:230.
PHENYLDICHLORARSINE, 1552:230; 202:346.
PHENYLDIETHYLAMINOETHYL-α-AMINOACETIC ACID ISOAMYL ESTER, 1553:230.
PHENYLDIETHYLMETHYLAMMONIUM BROMIDE 1554:230.
α-PHENYL-β-DIMETHYLAMINOPROPANE, 1555:230.
m-PHENYLENEDIAMINE, 1556:232.
o-PHENYLENEDIAMINE, 1557:232.
p-PHENYLENEDIAMINE, 1558:232.
PHENYLEPHRINE, (NEO-SYNEPHRINE) 1427:210.
PHENYLETHANOLAMINE, 1559:232.
α-PHENYL-β-ETHANOLAMINOPROPANOL, 1560:232.
PHENYLETHANOLMETHYLAMINE, 1561:232.
PHENYLETHYLAMINE, 1562:232.
β-PHENYLETHYLAMINE, (PHENYLETHYLAMINE) 1562:232.
PHENYLETHYLAMINE HCl, 1563:232.
β-PHENYLETHYLAMINE HCl, 1564:232.
PHENYLETHYLAMINE IODIDE, 1565:232.
α-PHENYL-β-ETHYLAMINOPROPANE, 1566:232.
α-PHENYL-β-ETHYLAMINOPROPANOL, 1567:232.
PHENYLETHYLENE, (STYRENE) 214:348.
PHENYL ETHYL ETHER, (PHENETOLE) 1523:228.
β-PHENYLETHYLGLUCOSAMINE, 1568, 1569:232.
PHENYLETHYLMALONYLUREA, (LUMINAL) 1204:180.
2-PHENYLETHYL-α-HYDROXYISOBUTYRATE, 1570:232.
PHENYLETHYLTRIMETHYLAMMONIUM HYDROXIDE, 1571:232.
α-PHENYLGLYCERYL ETHER, 1572:232.
PHENYLGLYCOLIC ACID, (MANDELIC ACID) 1219:182.
PHENYLHYDRAZINE, 1573:234.
4-PHENYL-1-HYDRAZINOPHTHALAZINE, 1574:234.
PHENYL HYDROXIDE, (PHENOL) 1524:228.
PHENYLHYDROXYACETIC ACID, (MANDELIC ACID) 1219:182.
PHENYLHYDROXYLAMINE, 1575:234.
β-PHENYLHYDROXYLAMINE, (PHENYLHYDROXYLAMINE) 1575:234.
N-PHENYLHYDROXYLAMINE, (PHENYLHYDROXYLAMINE) 1575:234.
2-PHENYL-4-HYDROXYMETHYL-1,3-DIOXOLANE, 1576:234.
PHENYLIC ACID, (PHENOL) 1524:228.
(PHENYLISOPROPYL)AMINE, (BENZEDRINE) 224:40.
β-PHENYLISOPROPYLAMINE, (BENZEDRINE) 224:40.
(PHENYLISOPROPYL)AMINE SULFATE, (BENZEDRINE SULFATE) 225:40.
β-PHENYLISOPROPYLAMINE SULFATE, (BENZEDRINE SULFATE) 225:40.
α-PHENYL-β-ISOPROPYLAMINOPROPANOL, 1577:234.
PHENYLMERCURIC NITRATE, 1578:234.
PHENYLMERCURIC-TRIETHANOLAMMONIUM LACTATE, 1579:234.
PHENYLMETHANE, (TOLUENE) 1984:300; 226:350.
PHENYLMETHANOL, (BENZYL ALCOHOL) 256:44; 19:324.
α-PHENYL-β-METHYLAMINOETHANE, 1580:234.
α-PHENYL-β-METHYLAMINOPROPANE, 1581:234.
D-α-PHENYL-β-METHYLAMINOPROPANE HCl, (METHEDRINE) 1248:188.
DL-1-PHENYL-2-METHYLAMINOPROPANE HCl, 1582:234.
α-PHENYL-β-METHYLAMINOPROPANOL, 1583:234.
PHENYLMETHYLCARBINOL, 1584:234.
PHENYL METHYL KETONE, (ACETOPHENONE) 25:8.
PHENYL-α-(1-NAPHTHYL)METHYL ETHER of DIMETHYLAMINOETHANOL, 1585:234.
α-PHENYL-β-OXYETHYLAMINOPROPANE, 1586:234.
α-PHENYLPENTANOLMETHYLAMINE, 1587:234.
α-PHENYLPENTYLAMINOPROPANOL, 1588:234.
o-PHENYLPHENOL, (DOWICIDE) 793:122.
1-PHENYLPROPANE, (PROPYLBENZENE) 210:348.
PHENYLPROPANOLAMINE, (PROPADRINE) 1656:246.
α-PHENYL-β-PROPYLAMINOPROPANE, 1589:234.
α-PHENYL-β-PROPYLAMINOPROPANOL, 1590:234.
γ-PHENYL-γ-(2-PYRIDYL)-N,N-DIMETHYLPROPYLAMINE, (TRIMETON) 2036:306.
1-PHENYL-1-(2-PYRIDYL)-3-DIMETHYLAMINOPROPANE, (TRIMETON) 2036:306.
1-PHENYL-1-PYRIDYL-(2)-3-DIMETHYLAMINOPROPANE-p-AMINOSALICYLATE, (TRIMETON) 2036:306.
2-PHENYLQUINOLINE-4-CARBOXYLIC ACID, (CINCHOPHEN) 443:70.
PHENYLTHIOCARBAMIDE, (PHENYLTHIOUREA) 1591:234.
PHENYLTHIOUREA, 1591:234.
PHENYLTRIMETHYLAMMONIUM BROMIDE, 1592:234.
PHENYLTRIMETHYLAMMONIUM HYDROXIDE, 1593:236.
PHLOROGLUCIN, (PHLOROGLUCINOL) 1594:236.
PHLOROGLUCINOL, 1594:236.
PHOLEDRINE, (VERITOL) 2081:312.
PHOSGENE, 203:348.
PHOSPHINE, 204:348.
PHOSPHORUS, YELLOW, 1595:236.
PHOSPHORUS SESQUISULFIDE, 1596:236.
PHOTOBILINE, (IODEIKON) 1107:168.
PHTHALIC ACID, (o-PHTHALIC ACID) 1597:236.
o-PHTHALIC ACID, 1597:236.
2-(N^4-PHTHALYLSULFANILAMIDO)THIAZOLE, (PHTHALYLSULFATHIAZOLE) 1598:236.
PHTHALYLSULFATHIAZOLE, 1598:236.
PHTHIOCOL, 1599:236.
PHYCITE, (ERYTHRITE) 827:128.
PHYGON, 1600:236.
PHYLLOQUINONE, (VITAMIN K) 2092:314.
PHYSEPTONE HCl, (DL-METHADONE HCl) 1244:186.
PHYSOSTIGMINE, 1601:236.
PHYSOSTIGMINE SALICYLATE, 1602:236.
PHYTOMELIN, (RUTIN) 1746:262.
3-PHYTYLMENADIONE, (VITAMIN K) 2092:314.
PICOLINALDEHYDE THIOSEMICARBAZONE, 1603:236.
α-PICOLINE, 1604:236; also see 2-METHYLPYRIDINE, 183:344.
4-PICOLINE, 1605:236; 205:348.
PICRIC ACID, 1606:236.
PICRONITRIC ACID, (PICRIC ACID) 1606:236.
PICROPODOPHYLLIN, 1607:236.
PICROTOXIN, 1608:236, 238.
PILIOPHEN, (IODEIKON) 1107:168.
PILOCARPINE, 1609:238.

PIMELIC KETONE, (CYCLOHEXANONE) 503:82; 53:330.
PINACOLIN, 1610:238.
PINACOLONE, (PINACOLIN) 1610:238.
PIPERIDINE, 1611:238.
PIPERIDINIUM CYCLOPENTAMETHYLENE-DITHIOCARBAMIDE, (PIP-PIP) 1618:238.
3-PIPERIDYL-1, 1-DI-(2'-THIENYL)BUTANE ACID OXALATE, 1612:236.
3-PIPERIDYL-1, 1-DI-(2'-THIENYL)BUTENE HCl, 1613:238.
β-(2-PIPERIDYL)PROPIONALDEHYDE, (PELLETIERINE) 1501:222.
PIPEROCAINE HCl, (METYCAINE HCl) 1387:204.
PIPERONAL, 1614:238.
PIPERONYLALDEHYDE, (PIPERONAL) 1614:238.
PIPERONYL BUTOXIDE, 1615:238.
PIPERONYLCYCLOHEXANONE, 1616:238.
PIPERONYLETHER BUTOXIDE, 1617:238.
PIP-PIP, 1618:238.
PIRIDAZOL, (SULFAPYRIDINE) 1902:288.
PITAYINE, (QUINIDINE) 1708:254.
PLANOCHROME, (MERCUROCHROME) 1235:184.
PLASMOQUINE, 1619:238, 240.
PLATINUM CHLORIDE, 1620:240.
PLUTONIUM CITRATE, 1621:240.
PODOPHYLLIC ACID, 1622:240.
PODOPHYLLIN, 1623:240.
PODOPHYLLOTOXIN, 1624:240.
POLAMIDON HCl, (DL-METHADONE HCl) 1244:186.
POLISEPTIL, (SULFATHIAZOLE) 1905:288.
POLYALKYL NAPHTHALENE PYRIDINIUM CHLORIDE, (EMCOL 888) 802:122.
POLYETHYLENE GLYCOL, 1625:240.
POLYPROPYLENE GLYCOL, 1626:240.
POLYPROPYLENE GLYCOL 425, 1627:240.
POLYPROPYLENE GLYCOL 1025, 1628:240.
POLYPROPYLENE GLYCOL 2025, 1629:240.
PONTACAINE HCl, (PANTOCAINE) 1487:220.
PONTAMINE SKY BLUE, 1630:240.
POTASAN, 1631:240.
POTASSIUM ACID SACCHARATE, 1632:240.
POTASSIUM ANTIMONY III BIS-PYROCATECHOL-2, 4-DISULFONATE, (ANTIMOSAN) 172:28.
POTASSIUM ARSENITE, 1633:240.
POTASSIUM BISACCHARATE, (POTASSIUM ACID SACCHARATE) 1632:240.
POTASSIUM CHLORATE, 1634:242.
POTASSIUM CHLORIDE, 1635:242.
POTASSIUM CHROMATE, 1636:242.
POTASSIUM COLUMBATE, 1637:242.
POTASSIUM CYANIDE, 1638:242.
POTASSIUM DICHROMATE, 1639:242.
POTASSIUM FLUORIDE, 1640:242.
POTASSIUM IODIDE, 1641:242.
POTASSIUM NITRATE, 1642:244.
POTASSIUM PERMANGANATE, 1643:244.
POTASSIUM SILICOFLUORIDE, 1644:244.
POTASSIUM SULFATE, 1645:244.
POTASSIUM SULFOCYANATE, (POTASSIUM THIOCYANATE) 1647:244.
POTASSIUM TANTALUM FLUORIDE, 1646:244.
POTASSIUM THIOCYANATE, 1647:244.
POTATO SPIRIT OIL, (ISOAMYL ALCOHOL) 1120:170.
P.P., (NICOTINIC ACID) 1441:214.
PRAEQUINE, (PLASMOQUINE) 1619:238, 240
PRANTAL, 1648:244.
PRASEODYMIUM CHLORIDE, 1649:244.
PRASEODYMIUM NITRATE, 1650:244.
Δ^4-PREGNENE-3, 20-DIONE, (PROGESTERONE) 1653:246.
Δ^4-PREGNENE-3, 20-DION-21-OL, (DESOXYCORTICOSTERONE) 537:88.
PRISILIDENE HCl, (NISENTIL HCl) 1442:214.
PRIVINE, 1651:244.
PROBARBITAL, (IPRAL) 1117:168.
PROBENECID, (BENEMID) 221:40.
PROCAINE, 1652:244, 246.
PROCAINE-CAFFEINE, (IMPLETOL) 1100:166.
PROGESTEROL, (PROGESTERONE) 1653:246.
PROGESTERONE, 1653:246.
PROGESTIN, (PROGESTERONE) 1653:246.
PROGESTONE, (PROGESTERONE) 1653:246.
PROGUANIL HCl (PALUDRINE HCl) 1485:220.
PROKARBOL, (4, 6-DINITRO-o-CRESOL) 757:116.
PROLAN, 1654:246.
PROLUTON, (PROGESTERONE) 1653:246.
PROMURIT, 1655:246.
PRONTALBIN, (SULFANILAMIDE) 1901:288.
PRONTOSIL, (SULFANILAMIDE) 1901:288.
PRONTOSIL ALBUM, (SULFANILAMIDE) 1901:288.
PROPADIENE, 206:348.
PROPADRINE, 1656:246.
PROPALLYLONAL, (NOCTAL) 1455:216.
PROPANAL, (PROPIONALDEHYDE) 1658:246; 207:348.
PROPANEDIETHYLSULFONE, (SULFONAL) 1907:288.
PROPANEDIOIC ACID, (MALONIC ACID) 1217:182.
1, 2-PROPANEDIOL, (PROPYLENE GLYCOL) 1671:248, 250.
1, 3-PROPANEDIOL, (TRIMETHYLENE GLYCOL) 2032:306.
PROPANOL, 1657:246.
2-PROPANOL, (ISOPROPYL ALCOHOL) 1140:170, 172; 155:340.
2-PROPANONE, (ACETONE) 22:8; 4:322.
1, 2, 3-PROPANETRIOL, (GLYCEROL) 980:150.
2-PROPENAL, (ACROLEIN) 54:12; 6:322.
PROPENENITRILE, (ACRYLONITRILE) 56:12; 7:322.
PROPENE OXIDE, (PROPYLENE OXIDE) 211:348.
PROPENOIC ACID, (ACRYLIC ACID) 55:12.
1-PROPENOL-3, (ALLYL ALCOHOL) 70:14; 9:322.
2-PROPEN-1-OL, (ALLYL ALCOHOL) 70:14; 9:322.
PROPHENPYRIDAMINE, (TRIMETON) 2036:306.
PROPIONALDEHYDE, 1658:246; 207:348.
PROPIONE, (DIETHYL KETONE) 628:100; 82:332.
PROPIONIC ANHYDRIDE, 1659:246.
PROPIONITRILE, 1660:248; 208:348.
3-PROPIONOXY-6-DIMETHYLAMINO-4, 4-DIPHENYLHEPTANE, 1661:248.
3-PROPIONOXY-6-DIMETHYLAMINO-4, 4-DIPHENYL-5-METHYLHEXANE, 1662:248.
PROPONAL, 1663:248.
p-(n-PROPOXY)BENZALDEHYDE, 1664:248.
2-PROPOXYETHANOL, 209:348.
n-PROPYLADRENALIN, 1665:248.
PROPYL ALCOHOL, (PROPANOL) 1657:246.
PROPYL ALCOHOL, secondary, (ISOPROPYL ALCOHOL) 1140:170, 172; 155:340.
PROPYLALDEHYDE, (PROPIONALDEHYDE) 1658:246; 207:348.
p-n-PROPYLBENZALDEHYDE, 1666:248.
PROPYLBENZAZEPINE, 1667:248.
PROPYLBENZENE, 210:348.
n-PROPYLBENZENE, (PROPYLBENZENE) 210:348.
PROPYL CARBINOL, (n-BUTYL ALCOHOL) 317:52.
n-PROPYL CINNAMATE, 1668:248.
PROPYLENEBENZAZEPINE, 1669:248.
PROPYLENE CHLOROHYDRIN, 1670:248.
PROPYLENE DICHLORIDE, (1, 2-DICHLOROPROPANE) 588:94; 74:332.

PROPYLENE GLYCOL, 1671:248, 250.
1, 3-PROPYLENE GLYCOL, 1672:250.
PROPYLENE GLYCOL ETHYL ETHER (β-isomer), 1673:250.
PROPYLENE GLYCOL METHYL ETHER, 1674:250.
PROPYLENE OXIDE, 211:348.
2-α-PROPYLENEPHENOXYETHYL-β-CHLOROETHYLAMINE, 1675:250.
N-PROPYLEPINEPHRINE, 1676:250.
n-PROPYL-2-FURYLCARBAMATE, 1677:250.
PROPYL GALLATE, 1678:250.
PROPYLIDENE CHLORIDE, (1, 1-DICHLOROPROPANE) 587:94.
n-PROPYLISOME, 1679:250.
PROPYL LUPETIDENE, 1680:250.
β-PROPYLPIPERIDINE, 1681:250.
n-PROPYLPIPERIDINE, 1682:250.
2-PROPYLPIPERIDINE, (CONIINE) 461:74; also see 1681:250 (β-PROPYLPIPERIDINE)
2-PROPYL-1, 4, 5, 6-TETRAHYDROPYRIDINE, (γ-CONICEINE) 460:74.
n-PROPYLTRIMETHYLAMMONIUM IODIDE, 1683:250.
PROSCILLARIDIN A, (DESGLUCO-TRANSVAALIN) 536:88.
PROSTIGMINE, (NEOSTIGMINE) 1425:210.
PROSTIGMINE SULFATE, (NEOSTIGMINE METHYLSULFATE) 1426:210.
PROTOVERATRINE, 1684:250.
PROTOVERINE, 1685:250.
PROTOXYL, (ATOXYL) 193:32.
PRUSSIC ACID, (HYDROCYANIC ACID) 1050:160; 146:340.
PSEUDOBUTYLENE, (BUTENE-2) 26:324.
PSEUDOCOCAINE BITARTRATE, (PSICAINE) 1687:250.
D-PSEUDOCOCAINE BITARTRATE, (PSICAINE) 1687:250.
PSEUDOCOCAINE TARTRATE, (PSICAINE) 1687:250.
PSEUDOCUMENE, (1, 2, 4-TRIMETHYLBENZENE) 2030:306.
PSEUDODIGITOXIN, (GITOXIN) 975:150.
PSEUDOEPHEDRINE, 1686:250.
PSICAINE, 1687:250.
PSYCHOTRINE HCl, 1688:252.
PULVINIC ACID, 1689:252.
PUNICINE, (PELLETIERINE) 1501:222.
PURODIGIN, (DIGITOXIN) 644:102, 104.
PYELOSIL, (DIODRAST) 766:118.
PYLUMBRIN, (DIODRAST) 766:118.
PYRAMIDON, (AMINOPYRINE) 118:20.
PYRANISAMINE HCl, (NEOANTERGAN HCl) 1418:210.
PYRATHIAZINE, (PYRROLAZOTE) 1699:254.
PYRATHYN BASE, (HISTADYL BASE) 1037:158.
PYRETHRINS I & II, 1690:252.
PYRIAMID, (SULFAPYRIDINE) 1902:288.
PYRIBENZAMINE, 1691:252.
PYRIDINE, 1692:252; 212:348.
PYRIDINE-β-CARBONYLDIETHYLAMIDE, (CORAMINE) 471:76.
PYRIDINE-β-CARBOXYLDIETHYLAMIDE, (CORAMINE) 471:76.
PYRIDINE-β-CARBOXYLIC ACID, (NICOTINIC ACID) 1441:214.
PYRIDINE-3-CARBOXYLIC ACID, (NICOTINIC ACID) 1441:214.
3-PYRIDINECARBOXYLIC ACID AMIDE, (NICOTINAMIDE) 1434:212.
PYRIDINE-3-CARBOXYLIC ACID DIETHYLAMIDE, (CORAMINE) 471:76.
PYRIDIUM, 1693:252.
PYRIDOXINE, 1694:252.
N'-2-PYRIDYL-N'-BENZYL-N, N-DIMETHYLETHYLENEDIAMINE, (PYRIBENZAMINE) 1691:252.
N-(2-PYRIDYL)-N', N'-DIMETHYLENEDIAMINE FUMARATE, 1695:252.
N-γ-PYRIDYL-N-p-METHOXY-BENZYL-N', N'-DIMETHYLETHYLENE DIAMINE HCl, (NEOANTERGAN HCl) 1418:210.
α-PYRIDYL-α-N-METHYLPYRROLIDINE, (α-NICOTINE) 1438:212.
β-PYRIDYL-α-N-METHYLPYRROLIDINE, (NICOTINE) 1436:212.
L-2-(3-PYRIDYL)PIPERIDINE, (ANABASINE) 147:26.
3-PYRIDYL-5-PIPERIDINE, (ANABASINE) 147:26.
D-2-(3-PYRIDYL)PYRROLIDINE, (D-NORNICOTINE) 1457:216.
DL-2-(3-PYRIDYL)PYRROLIDINE, (DL-NORNICOTINE) 1458:216.
L-2-(3-PYRIDYL)PYRROLIDINE, (L-NORNICOTINE) 1459:216.
N^1-2-PYRIDYLSULFANILAMIDE, (SULFAPYRIDINE) 1902:288.
PYRILAMINE HCl, (NEOANTERGAN HCl) 1418:210.
PYRIMAL, (SULFADIAZINE) 1897:288.
2, 4, 5, 6(1, 3)-PYRIMIDINETETRONE, (ALLOXAN) 68:14.
N^1-2-PYRIMIDYLSULFANILAMIDE, (SULFADIAZINE) 1897:288.
PYROACETIC ETHER, (ACETONE) 22:8; 4:322.
PYROCATECHOL, (CATECHOL) 376:62.
PYROGALLIC ACID, (PYROGALLOL) 1696:254.
PYROGALLOL, 1696:254.
PYROMUCIC ALDEHYDE, (FURFURAL) 958:146.
PYRONYL, 1697:254.
PYROTARTARIC ACID, 1698:254.
PYRROLAZOTE, 1699:254.
PYRROLAZOTE ABERGIC, (PYRROLAZOTE) 1699:254.
PYRROLE, 1700:254.
β-PYRROLIDINEETHYLPHENOTHIAZINE MONO HCl, (PYRROLAZOTE) 1699:254.
3-PYRROLIDYL-1, 1-DI-(2'-THIENYL)BUTANE HCl, 1701:254.
3-PYRROLIDYL-1, 1-DI-(2'-THIENYL)BUTENE HCl, 1702:254.
10-[2-(1-PYRROLIDYL)-ETHYL] PHENOTHIAZINE HCl, (PYRROLAZOTE) 1699:254.
PYRROLINE, 1703:254.
PYRROLYLENE, (1, 3-BUTADIENE) 23:324.

QUERCETIN, 1704, 1705:254.
QUERCETIN-3-RUTINOSIDE, (RUTIN) 1746:262.
QUINACRINE, (ATABRINE) 192:32.
QUINALDINE, 1706:254.
QUINAMBICIDE, (VIOFORM) 2087:314.
QUINHYDRONE, 1707:254.
QUINIDINE, 1708:254.
α-QUINIDINE, (CINCHONIDINE) 441:70.
QUINIDINE SULFATE, 1709:254.
QUININE, 1710:256.
QUININE-n-AMYLCHLORIDE, 1711:256.
QUININE-n-BUTYLCHLORIDE, 1712:256.
QUININE ETHOCHLORIDE, 1713:256.
QUININE HEXYLBROMIDE, 1714:256.
QUININE ISOAMYLBROMIDE, 1715:256.
QUININE ISOPROPYLCHLORIDE, 1716:256.
QUININE METHOCHLORIDE, 1717:256.
QUININE-n-PROPYLBROMIDE, 1718:256.
QUININE-n-PROPYLCHLORIDE, 1719:258.
QUINOLINE, 1720:258.

8-QUINOLINONE, (8-HYDROXYQUINOLINE) 1096:166.
QUINONE, 1721:258.
p-QUINONE, (QUINONE) 1721:258.
QUINOPHENOL, (8-HYDROXYQUINOLINE) 1096:166.
QUINOSOL, 1722:258.
N^1-(2-QUINOXALYLSULFANILAMIDE), (SULFAQUINOXALINE) 1903:288.
QUINOXYL, (CHINIOFON) 390:64.
D-QUINUCLIDINOL ACETATE HCl, 1723:258.
QUINUCLIDINOL-α-ALLYLDIPHENYLACETATE HCl, 1724:258.
QUINUCLIDINOLBENZILATE HCl, 1725:258.
QUINUCLIDINOLDIPHENYLACETATE $\frac{1}{2}$ $H_2SO_4 \cdot H_2O$, 1726:258.
L-QUINUCLIDINOLDIPHENYLACETATE HCl, 1727:258.
QUINUCLIDINOLETHYLBROMIDE DIPHENYLACETATE, 1728:258.
QUINUCLIDINOL-9-FLUORENECARBOXYLATE HCl, 1729:258.
QUINUCLIDINOLMETHYLBROMIDEBENZILATE, 1730:258.
QUINUCLIDINOLMETHYLBROMIDE DIPHENYLACETATE, 1731:258.
QUIPENYL, (PLASMOQUINE) 1619:238, 240.
QUOTANE, 1732:258.

RACEMIC BENZAMINE, (β-EUCAINE) 918:138.
RACEMIC LACTIC ACID, (LACTIC ACID) 1161:174.
RACEMIC MANDELIC ACID, (MANDELIC ACID) 1219:182.
RACEMIC METHADONE HCl, (DL-METHADONE HCl) 1244:186.
RACEMIC-γ-(2-METHYLPIPERIDYL)PROPYLBENZOATE HCl, (METYCAINE HCl) 1387:204.
RADIOGRAPHOL, (SKIODAN) 1787:268.
RADIOTETRANE, (IODEIKON) 1107:168.
RDX, (CYCLOTRIMETHYLENETRINITRAMINE) 516:84.
REICHSTEIN'S SUBSTANCE Q, (DESOXYCORTICOSTERONE) 537:88.
RELAXAR, (MYANESIN) 1407:208.
RELBAPIRIDINA, (SULFAPYRIDINE) 1902:288.
REPODRAL, (FUADIN) 953:146.
RESIBUFOGENIN, 1733:258.
RESISTAB, (NEOHETRAMINE HCl) 1422:210.
RESORCIN, (RESORCINOL) 1734:258, 260.
RESORCINOL, 1734:258, 260.
RESORCINOLPHTHALEIN, (FLUORESCEIN) 935:142.
γ-RESORCYLATE SODIUM, 1735:260.
RETROSINE, 1736:260.
RHODALLINE, (THIOSINAMINE) 1975:298.
RHODANIDE, (POTASSIUM THIOCYANATE) (SODIUM THIOCYANATE) 1647:244; 1857:280.
RICIN, 1737:260.
RIMIFON, 1738:260.
RIVANOL, 1739:260.
ROCCAL, 1740:260.
ROCK SALT, (SODIUM CHLORIDE) 1805:272.
RODILONE, 1741:260.
RODINAL, (p-AMINOPHENOL) 110:20.
ROMETIN, (VIOFORM) 2087:314.
ROSANILINE HCl & PARAROSANILINE HCl (mixture of), (FUCHSINE (BASIC)) 954:146.
ROTENONE, 1742:260, 262.
ROTHANE, (DDD) 522:84.
R.P. 2971, (HETRAMINE) 1014:156.
R.P. 2987, (DIPARCOL (base)) 771:118, 120.
R.P. 3356, (PARSIDOL (base)) 1497:222.
R.P. 3389, (LERGIGAN) 1193:178.
R.P. 3799, (HETRAZAN) 1015:156.
RUBIDIUM CHLORIDE, 1743:262.
RUBIJERVINE, 1744:262.
RUBRAMINE, (VITAMIN B_{12}) 2090:314.
RUTGERS 612, 1745:262.
RUTIN, 1746:262.
RUTOSIDE, (RUTIN) 1746:262.
RYANIA, 1747:262.
RYANODINE, (RYANIA) 1747:262.

SABADILLA, 1748:262.
SABADININE, (CEVINE) 388:64.
SAFROLE, 1749:262.
SALAMID, (SALICYLAMIDE) 1751:262.
SAL ETHYL, (ETHYL SALICYLATE) 910:138.
SALICYLALDEHYDE, 1750:262.
SALICYLAMIDE, 1751:262.
SALICYLCYCLOHEXYLAMIDE, 1752:262.
SALICYLDICYCLOHEXYLAMIDE, 1753:262.
SALICYLDIETHYLAMIDE, 1754:262.
SALICYLDIMETHYLAMIDE, 1755:262.
SALICYLETHYLAMIDE, 1756:262.
SALICYLHYDROXYETHYLAMIDE, 1757:262.
SALICYL-(γ-HYDROXYMERCURI-β-METHOXYPROPYL)AMIDE-O-ACETIC ACID SODIUM SALT, (SALYRGAN) 1763:264.
SALICYLIC ACID, 1758:262.
SALICYLIC ACID ETHYL ESTER, (ETHYL SALICYLATE) 910:138.
SALICYLIC ALDEHYDE, (SALICYLALDEHYDE) 1750:262.
SALICYLIC ETHER, (ETHYL SALICYLATE) 910:138.
SALICYLMETHYLAMIDE, 1759:264.
SALICYLPHENYLETHYLAMIDE, 1760:264.
SALICYL-n-PROPYLAMIDE, 1761:264.
SALICYLURIC ACID (SODIUM SALT), 1762:264.
SALT, (SODIUM CHLORIDE) 1805:272.
SALUFER, (SODIUM SILICOFLUORIDE) 1847:278.
SALVARSAN, (ARSPHENAMINE) 190:32.
SALYRGAN, 1763:264.
SAMARIUM NITRATE, 1764:264.
SANOCHRYSINE, 1765:264.
SANTONIN, 1766:264.
SANTOWHITE, 1767:264.
SAPONIN(E), 1768:264.
SAPOTOXIN, 1769:264.
SARIN, 1770:266.
SARMENTOSIDE A, 1771:266.
SARMENTOSIDE A MONOACETATE, 1772:266.
SARMENTOSIDE C, 1773:266.
SARMOL, 1774:266.
SARMUTOSIDE, 1775:266.
SARNOVIDE, 1776:266.
SARVEROGENIN, 1777:266.
SCHRADAN, (OMPA) 1476:218.
SCHWEINFURTH GREEN, (PARIS GREEN) 1495:222.
SCILLAREN, 1778:266.
SCILLAREN A, (TRANSVAALIN) 1993:300.
SCILLARENIN, 1779:266.
SCOPOLAMINE, 1780:266.
L-SCOPOLAMINE, (SCOPOLAMINE) 1780:266.
SDT 91, (FUADIN) 953:146.
SEA ONION, (SQUILL, red) (SQUILL, white) 1870:282; 1871:282.
SEA SALT, (SODIUM CHLORIDE) 1805:272.
SECOBARBITAL SODIUM, (SECONAL SODIUM) 1781:266.
SECONAL SODIUM, 1781:266.
SEDAFORM, (CHLORETONE) 398:66.

SEDORMID, 1782:266.
SEL DE FORDOS ET GELIS, (SANOCHRYSINE) 1765:264.
SELENIUM, (See SODIUM SELENATE and SODIUM SELENITE)
SELENIUM HYDRIDE, (HYDROGEN SELENIDE) 148:340.
SELENIUM OXYCHLORIDE, 1783:266.
SEMIKON BASE, (HISTADYL BASE) 1037:158.
SEMPERVIRINE, (GELSEMINE) 967:148.
SEPTIPULMON, (SULFAPYRIDINE) 1902:288.
SEPTOPLIX, (SULFANILAMIDE) 1901:288.
SERIAL 01013, (HISTADYL BASE) 1037:158.
SEROTONIN, 1784:266, 268.
SEVINON, (UNDECYLENIC ACID) 2055:310.
SHADOCOL, (IODEIKON) 1107:168.
SILVER NITRATE, 1785:268.
SINAN, (MYANESIN) 1407:208.
SINCALINE, (CHOLINE) 434:70.
SINOX, (4, 6-DINITRO-o-CRESOL) 757:116.
SISTURUS CATENATUS, (SNAKE VENOM) 1790:268.
606 ("SIX O SIX"), (ARSPHENAMINE) 190:32.
SKATOLE, 1786:268.
SKIODAN, 1787:268.
SN 198, 1788:268; also see 755:116 (N, N-DIMETHYLTHYMYLOXYACETAMIDINE HCl)
SN 216, 1789:268.
SN 12, 837, (PALUDRINE HCl) 1485:220.
SNAKE VENOM (ANCISTRODON BLOMHOFFI), 1790:268.
SNAKE VENOM (ANCISTRODON HALYS), 1790:268.
SNAKE VENOM (ANCISTRODON MOKASEN), 1790:268.
SNAKE VENOM (ANCISTRODON PISCIVORUS) 1790:268.
SNAKE VENOM (BOTHROPS ALTOMATA), 1790:268.
SNAKE VENOM (BOTHROPS ATROX), 1790:268.
SNAKE VENOM (BOTHROPS COBIARA), 1790:268.
SNAKE VENOM (BOTHROPS INSULARIS), 1790:268.
SNAKE VENOM, (BOTHROPS ITAPATININGAE), 1790:268.
SNAKE VENOM (BOTHROPS JARARACA), 1790:268.
SNAKE VENOM (BOTHROPS JARACACASSU I), 1790:268.
SNAKE VENOM (BOTHROPS JARARACASSU II), 1790:268.
SNAKE VENOM (BOTHROPS NEUWIEDII) 1790:268.
SNAKE VENOM, (COBRA VENOM) 451:72.
SNAKE VENOM (CROTALUS ADAMANTUS), 1790:268.
SNAKE VENOM (CROTALUS ATROX) 1790:268.
SNAKE VENOM (CROTALUS BASILICUS), 1790:268.
SNAKE VENOM (CROTALUS HORRIDUS), 1790:268.
SNAKE VENOM (CROTALUS TERRIFICUS), 1790:268.
SNAKE VENOM (LACHESIS MUTA), 1790:268.
SNAKE VENOM (MICRURUS FRONTALIS), 1790:268.
SNAKE VENOM (SISTURUS CATENATUS), 1790:268.
SNAKE VENOM (TRIMERESURUS ANAMALLENSIS), 1790:268.
SNAKE VENOM (TRIMERESURUS FLEUROVIRIDIS), 1790:268.
S. N. P., (PARATHION) 1494:222.
SOAMIN, (ATOXYL) 193:32.
SODA NITER, (SODIUM NITRATE) 1833:276.
SODIUM ACETATE, 1791:268.
SODIUM ACETYL-p-AMINOPHENYLARSENATE, (ARSACETIN) 186:30.
SODIUM ACETYLARSANILATE, (ARSACETIN) 186:30.
SODIUM ACETYLSALICYLATE, 1792:268.
SODIUM ACID SULFITE, (SODIUM BISULFITE) 1799:270.
SODIUM-5-ALLYL-5-(1-METHYLBUTYL)BARBITURATE, (SECONAL SODIUM) 1781:266.
SODIUM ALUMINUM FLUORIDE, (CRYOLITE) 487:80.
SODIUM AMINARSONATE, (ATOXYL) 193:32.
SODIUM -4-AMINO-2-AUROTHIOPHENOLCARBOXYLATE, (KRYSOLGAN) 1160:174.
SODIUM-4-AMINO-2-AUROTHIOSALICYLATE, (KRYSOLGAN) 1160:174.
SODIUM ANILARSONATE, (ATOXYL) 193:32.
SODIUM ANTIMONY III BIS-PYROCATECHOL-2, 4-DISULFONATE, (FUADIN) 953:146.
SODIUM ANTIMOSAN, (FUADIN) 953:146.
SODIUM ARSANILATE, (ATOXYL) 193:32.
SODIUM ARSENATE, 1793:268.
SODIUM ARSENITE, 1794:268, 270.
SODIUM AUROTHIOSULFATE, (SANOCHRYSINE) 1765:264.
SODIUM AZIDE, 1795:270.
SODIUM BENZOATE, 1796:270.
SODIUM BISMUTHATE, 1797:270.
SODIUM BISMUTH THIOGLYCOLATE, 1798:270.
SODIUM BISULFITE, 1799:270.
SODIUM BROMATE, 1800:270.
SODIUM BROMIDE, 1801:270.
SODIUM CACODYLATE, 1802:270.
SODIUM CHAULMOOGRATE, 1803:270.
SODIUM CHLORATE, 1804:270, 272.
SODIUM CHLORIDE, 1805:272.
SODIUM CHROMATE, 1806:272.
SODIUM CHROMATE, neutral, (SODIUM CHROMATE) 1806:272.
SODIUM CITRATE (Mono-), 1807:272.
SODIUM CITRATE (Di-), 1808:272.
SODIUM CITRATE (Tri-), 1809:272.
SODIUM CYANATE, 1810:272.
SODIUM CYANIDE, 1811:272.
SODIUM 5-(1-CYCLOHEXEN-1-YL)-1, 5-DIMETHYLBARBITURATE, (HEXOBARBITAL) 1025:156.
SODIUM DEHYDROACETATE, 1812:272.
SODIUM 3-DIAMINO-4-DIHYDROXYARSENOBENZENEMETHANAL SULFOXYLATE, (NEOARSPHENAMINE) 1419:210.
SODIUM DICHROMATE, 1813:272.
SODIUM 3, 9-DIETHYLTRIDECANOL-6-SULFATE, (TERGITOL 7) 1925:290.
SODIUM DIIODOMETHANESULFONATE, (TENEBRYL), 1922:290.
SODIUM DIMETHYLARSONATE, (SODIUM CACODYLATE) 1802:270.
SODIUM DIPHENYLDIAZO-BIS-α-NAPHTHYLAMINESULFONATE, (CONGO RED) 458:74.
SODIUM DIPHENYLHYDANTOINATE, (DILANTIN) 670:106.
SODIUM DITOLYLDISAZOBIS-8-AMINO-1-NAPHTHOL-3, 6-SULFONATE, (TRYPAN BLUE) 2046:308.
SODIUM-2-ETHYLETHANOL SULFATE, (TERGITOL 08) 1923:290.
SODIUM 5-ETHYL-5-HEXYLBARBITURATE, (ORTAL SODIUM) 1479:218.
SODIUM ETHYLMERCURITHIOSALICYLATE, (MERTHIOLATE) 1238:186.
SODIUM 5-ETHYL-5-(1-METHYLBUTYL)BARBITURATE, (PENTOBARBITAL SODIUM) 1514:226.
SODIUM 5-ETHYL-5-(1-METHYLBUTYL)-2-THIOBARBITURATE, (PENTOTHAL SODIUM) 1515:226.
SODIUM 7-ETHYL-2-METHYL-DECANOL-4 SULFATE, (TERGITOL 4) 1924:290.
SODIUM FLUORIDE, 1814:272, 274.
SODIUM-γ-FLUOROCROTONATE, 1815:274.
SODIUM FLUORSILICATE, (SODIUM SILICOFLUORIDE) 1847:278.
SODIUM FORMALDEHYDE SULFOXYLATE, 1816:274.
SODIUM FUMARATE, 1817:274.

SODIUM GYNOCARDATE, (SODIUM HYDNOCARPATE) 1819:274.
SODIUM HEXAMETAPHOSPHATE, 1818:274.
SODIUM N-HEXYLETHYL BARBITURATE, (ORTAL SODIUM) 1479:218.
SODIUM HYDNOCARPATE, 1819:274.
SODIUM HYDRATE, (SODIUM HYDROXIDE) 1820:274.
SODIUM HYDROXIDE, 1820:274.
SODIUM HYDROXYMERCURIBENZOATE (ortho-), 1821:274.
SODIUM HYDROXYMERCURIBENZOATE (para-), 1822:274.
SODIUM SALT of o-(N-γ-HYDROXYMERCURI-β-HYDROXYETHOXYPROPYLCARBAMYL)PHENOXY-ACETIC ACID, 1823:274.
SODIUM HYPOSULFITE, (SODIUM THIOSULFATE) 1859:280.
SODIUM IODATE, 1824:274.
SODIUM IODIDE, 1825:274.
SODIUM IODOMETHANESULFONATE, (SKIODAN) 1787:268.
SODIUM IODOMETHIONATE, 1826:274.
SODIUM 5-IODO-2-PYRIDONE-N-ACETATE, (IOPAX) 1116:168.
SODIUM ISOAMYLETHYLTHIOBARBITURATE, (THIOAMYTAL SODIUM) 1969:296.
SODIUM DL-MALATE, 1827:276.
SODIUM L-MALATE, 1828:276.
SODIUM MALONATE, 1829:276.
SODIUM METAPHOSPHATE, 1830:276.
SODIUM METAVANADATE, 1831:276.
SODIUM MOLYBDATE, 1832:276.
SODIUM NITRATE, 1833:276.
SODIUM NITRITE, 1834:276.
SODIUM NITROFERRICYANIDE, (SODIUM NITROPRUSSIDE) 1835:276.
SODIUM NITROPRUSSIDE, 1835:276.
SODIUM ORTHOPHOSPHATE (primary), 1836:276.
SODIUM OXALATE, 1837:276, 278.
SODIUM PARA-AMINOPHENYLARSONATE, (ATOXYL) 193:32.
SODIUM PERMANGANATE, 1838:278.
SODIUM PERSULFATE, 1839:278.
SODIUM PHOSPHATE (ACID), 1840:278.
SODIUM PHTHALATE, 1841:278.
SODIUM POLYANHYDROMANNUROIC ACID SULFATE, (HEPARINOID) 997:154.
SODIUM PROPYLMETHYLCARBONYLALLYL-BARBITURATE, (SECONAL SODIUM) 1781:266.
SODIUM PYROPHOSPHATE, 1842:278.
SODIUM RHENATE, 1843:278.
SODIUM SALICYLATE, 1844:278.
SODIUM SELENATE, 1845:278.
SODIUM SELENITE, 1846:278.
SODIUM SILICOFLUORIDE, 1847:278.
SODIUM SORBATE, 1848:278.
SODIUM SUCCINATE (MONO-), 1849:278.
SODIUM SUCCINATE (DI-), 1850:278.
SODIUM m-SULFANILIC ACID-AZODIPHENYLAMINE, (VICTORIA YELLOW) 2082:312.
SODIUM SULFATE, 1851:280.
SODIUM SULFIDE, 1852:280.
SODIUM SULFITE, 1853:280.
SODIUM SULFOCYANATE, (SODIUM THIOCYANATE) 1857:280.
SODIUM TARTRATE, 1854:280.
SODIUM TELLURATE, 1855:280.
SODIUM TELLURITE, 1856:280.
SODIUM TETRADECYL SULFATE, (TERGITOL 4) 1924:290.
SODIUM THIOCYANATE, 1857:280.
SODIUM THIOGLYCOLATE, (SODIUM THIOGLYCOLLATE) 1858:280.
SODIUM THIOGLYCOLLATE, 1858:280.
SODIUM THIOSULFATE, 1859:280.
SODIUM TRIMETAPHOSPHATE, 1860:280.
SODIUM TUNGSTATE, 1861:280, 282.
SODIUM VANADATE, (SODIUM METAVANADATE) 1831:276.
SODIUM VANADATE (ORTHO-), 1862:282.
SODIUM VANADITE, 1863:282.
SODIUM ZIRCONYL SULFATE, 1864:282.
SOLANINE, 1865:282.
SOLARSON, (AMMONIUM HEPTINCHLOROARSINATE), 130:22.
SOLATUNINE, (SOLANINE) 1865:282.
SOLFOCRISIL, (SANOCHRYSINE) 1765:264.
SOMONAL, (LUMINAL) 1204:180.
SONNERYL, (NEONAL) 1424:210.
SOPHORETIN, (QUERCITIN) 1704, 1705:254.
SOPHORIN, (RUTIN) 1746:262.
SOPHORIN NITRATE, (CYTISINE NITRATE) 520:84.
SORBALDEHYDE, 213:348.
SORBIC ACID, 1866:282.
SPARTEINE, 1867:282.
L-SPARTEINE, (SPARTEINE) 1867:282.
SPARTEINE THEOPHYLLINE ACETATE, (THEOSPARTEINE (MONO derivative)) 1964:296.
SPERGON, 1868:282.
SPIROID, (ACETARSONE) 17:6, 8.
SPRINTILLAMINE, 1869:282.
SQUILL (red), 1870:282.
SQUILL (white), 1871:282.
STANNIC IODIDE, 1872:282.
STANNOUS CHLORIDE, 1873:282.
STIBOPHEN, (FAUDIN) 953:146.
4, 4'-STILBENEDICARBOXAMIDINE, (4, 4'-DIAMIDINOSTILBENE) 549:90.
STILBESTEROL, (DIETHYLSTILBESTROL) 634:102.
STILBOESTEROL, (DIETHYLSTILBESTROL) 634:102.
STIPOLAC, (IODEIKON) 1107;168.
STOVAINE, 1874:282.
STOVARSOL, (ACETARSONE) 17:6, 8.
STREPTOCID, (SULFANILAMIDE) 1901:288.
STREPTOMYCIN SULFATE, 1875:282.
STROBOSIDE, 1876:282.
STRONTIUM ACETATE, 1877:284.
STRONTIUM BROMIDE, 1878:284.
STRONTIUM CHLORIDE, 1879:284.
STRONTIUM FLUORIDE, 1880:284.
STRONTIUM IODIDE, 1881:284.
STRONTIUM LACTATE, 1882:284.
STRONTIUM NITRATE, 1883:284.
STRONTIUM SALICYLATE, 1884:284.
K-STROPHANTHIDIN, 1885:284.
STROPHANTHIN G, 1886:284.
STROPHANTHIN H, 1887:284.
STROPHANTHIN K, 1888, 1889:284, 286.
STRYCHNINE, 1890:286.
STYRENE, 214:348.
STYROL, (STYRENE) 214:348.
STYROLENE, (STYRENE) 214:348.
SU 198, (N, N-DIMETHYLTHYMYLOXYACETAMIDINE HCl) 755:116.
SU 216, (N, N-DIETHYLTHYMYLOXYACETAMIDINE HCl) 638:102.
SUBTILIN, 1891:286.
SUCARYL SODIUM, (CYCLOHEXYL SULFAMATE SODIUM) 515:84.
SUCCINIC ACID, 1892:286.
SUCCINOCHLORIMIDE, 1893:286.
SUCCINYLCHOLINE, (DIACETYLCHOLINE) 542:90.

SUCCINYLNITRILE, 1894:286.
2-(N^4-SUCCINYLSULFANILAMIDO)THIAZOLE, (SUCCINYLSULFATHIAZOLE) 1895:286.
SUCCINYLSULFATHIAZOLE, 1895:286.
SULAMYD, (SULFACETIMIDE) 1896:288.
SULFACET, (SULFACETIMIDE) 1896:288.
SULFACETAMIDE, (SULFACETIMIDE) 1896:288.
SULFACETIMIDE, 1896:288.
SULFADIAMINE, (RODILONE) 1741:260.
SULFADIAZINE, (SODIUM SALT), 1897:288.
SULFADINE, (SULFAPYRIDINE) 1902:288.
SULFAGUANIDINE, 1898:288.
SULFAGUINE, (SULFAGUANIDINE) 1898:288.
SULFAMETHYLTHIAZOLE SODIUM, 1899:288.
SULFAMIC ACID, 1900:288.
SULFANILAMIDE, 1901:288.
2-SULFANILAMIDOPYRIDINE, (SULFAPYRIDINE) 1902:288.
2-SULFANILAMIDOPYRIMIDINE, (SULFADIAZINE) 1897:288.
2-SULFANILAMIDOQUINOXALINE, (SULFAQUINOXALINE) 1903:288.
2-SULFANILAMIDOTHIAZOLE, (SULFATHIAZOLE) 1905:288.
N-SULFANILYLACETAMIDE, (SULFACETIMIDE) 1896:288.
2-SULFANILYLAMINOPYRIDINE, (SULFADIAZINE) 1897:288.
SULFANILYLGUANIDINE, (SULFAGUANIDINE) 1898:288.
SULFANYLGUANIDINE, (SULFAGUANIDINE) 1898:288.
SULFAPYRIDINE, 1902:288.
SULFARSPHENAMINE BISMUTH, (BISMARSEN) 291:48.
SULFAQUINOXALINE, 1903:288.
SULFARSPHENAMINE, 1904:288.
SULFASUXIDINE, (SUCCINYLSULFATHIAZOLE) 1895:286.
SULFATHALIDINE, (PHTHALYLSULFATHIAZOLE) 1598:236.
SULFATHIAZOLE, 1905:288.
SULFIDINE, (SULFAPYRIDINE) 1902:288.
SULFOACETIC ACID, 1906:288.
4-(3-SULFOBENZENE AZO)-DIPHENYLAMINE SODIUM SALT, (VICTORIA YELLOW) 2082:312.
SULFOCARBANILIDE, (DIPHENYLTHIOUREA) 778:120.
SULFOETHANOIC ACID, (SULFOACETIC ACID) 1906:288.
SULFOGUENIL, (SULFAGUANIDINE) 1898:288.
SULFONAL, 1907:288.
p-SULFONDICHLORAMIDOBENZOIC ACID, (HALAZONE) 990:152.
SULFONMETHANE, (SULFONAL) 1907:288.
p, p'-SULFONYLBISACETANILIDE, (RODILONE) 1741:260.
SULFOXAZOLE LITHIUM, (GANTRISIN LITHIUM) 965:148.
SULFOXAZOLE SODIUM, (GANTRISIN SODIUM) 966:148.
SULFOX-CIDE, 1908:288.
SULFUR DIOXIDE, 215:348, 350.
SULFURETED HYDROGEN, (HYDROGEN SULFIDE) 149:340.
SULFURIC ACID, (MIST), 216:350.
SULFURIC ETHER, (ETHER) 834:130; 104:334, 336.
SULFUROUS ANHYDRIDE, (SULFUR DIOXIDE) 215:348, 350.
SULFUROUS OXIDE, (SULFUR DIOXIDE) 215:348, 350.
SUOSAN, 1909:288.
SUPRIFEN, (p-HYDROXYEPHEDRINE) 1064:162.
SURAMIN, (GERMANIN) 968:148.
SURAMIN SODIUM, (GERMANIN) 968:148.
SWEET BIRCH OIL, (METHYL SALICYLATE) 1375:202.
SYMPATHOL, (SYNEPHRIN) 1911:290.
SYMPATOL, 1910:290.
SYNDROX, (METHEDRINE) 1248:188.
SYNEPHRIN, 1911:290.
SYNEPHRINE, (SYNEPHRIN) 1911:290.
SYNEPHRINE TARTRATE, (SYMPATOL) 1910:290.
SYNKAY, (MENADIONE) 1228:184.
SYNTHETIC 3956, (TOXAPHENE) 1992:300.
SYSTOGENE, (TYRAMINE) 2051:308.
SYSTOX, (DIETHOXYTHIOPHOSPHORIC ACID ESTER of ETHYLMERCAPTOETHANOL TECH. GRADE) 606:96.

T_4, (CYCLOTRIMETHYLENETRINITRAMINE) 516:84.
T-1024, (METHYL-BIS(β-CHLOROETHYL)AMINE HCl), 1294:192.
2, 4, 5-T, 1912:290.
TABLE SALT, (SODIUM CHLORIDE) 1805:272.
TAGATHEN, 1913:290.
TANGHINIFERIN, 1914:290.
TANGHINIGENIN, 1915:290.
TANGHININ, 1916:290.
TANNIC ACID, 1917:290.
TANNIN, (TANNIC ACID) 1917:290.
TANTALUM CHLORIDE, 1918:290.
TANTALUM OXIDE, 1919:290.
TARTAR EMETIC, (ANTIMONY POTASSIUM TARTRATE) 164:28.
TAUROCHOLIC ACID SODIUM, 1920:290.
TBH, 1921:290.
TDE, (DDD) 522:84.
p, p'-TDE, (DDD) 522:84.
TEABERRY OIL, (METHYL SALICYLATE) 1375:202.
TELEPATHINE, (HARMINE) 993:152, 154.
TEM, (TRIETHYLENEMELAMINE) 2021:304.
T. E. P., (TETRAETHYL PYROPHOSPHATE) 1937:292.
T. E. P. P., (TETRAETHYL PYROPHOSPHATE) 1937:292.
TENALIN BASE, (HISTADYL BASE) 1037:158.
TENEBRYL, 1922:290.
TERGITOL 08, 1923:290.
TERGITOL 4, 1924:290.
TERGITOL 7, 1925:290.
TERPENE, CHLORINATED, (TOXAPHENE) 1992:300.
TERRAMYCIN HCl, 1926:290.
TERTIARY ISOBUTYL ALCOHOL, (BUTYL ALCOHOL (tertiary)) 319:52.
TESTOSTERONE, 1927:290.
TETIOTHALEIN SODIUM, (IODEIKON) 1107:168.
sym. -TETRABROMOETHANE, 1928:290.
TETRABROMOFLUORESCEIN, (EOSIN (YS, yellowish)) 806:124.
TETRACAINE HCl, (PANTOCAINE) 1487:220.
TETRACHLORO-p-BENZOQUINONE, (SPERGON) 1868:282.
2, 3, 5, 6-TETRACHLORO-1, 4-BENZOQUINONE, (SPERGON) 1868:282.
1, 1, 1, 2-TETRACHLORO-2, 2-DIFLUOROETHANE, 217:350.
1, 1, 2, 2-TETRACHLORO-1, 2-DIFLUOROETHANE, 218:350.
sym. -TETRACHLOROETHANE, 1929:290; 219:350.
TETRACHLOROETHYLENE, 1930:290, 292; 220:350.
TETRACHLOROMETHANE, (CARBON TETRACHLORIDE) 371:60; 38:328.
2, 3, 4, 6-TETRACHLOROPHENOL, 1931:292.

TETRACHLOROQUINONE, (SPERGON) 1868:282.
1, 1, 3, 3-TETRAETHOXYPROPANE, 1932:292.
TETRAETHOXYSILANE, 1933:292; 221:350.
TETRAETHYLAMMONIUM HYDROXIDE, 1934:292.
TETRAETHYLDITHIONOPYROPHOSPHATE, (ASP-47) 191:32.
TETRAETHYLENE GLYCOL DIBUTYL ETHER, 1935:292.
TETRAETHYLENEPENTAMINE, 1936:292.
TETRAETHYL PYROPHOSPHATE, 1937:292.
TETRAETHYLTHIURAMDISULFIDE, (ANTABUSE) 158:26.
TETRAETHYLTHIURAMIDE, 1938:292.
6, 7, 8, 9-TETRAHYDRO-5-AZEPOTETRAZOLE, (METRAZOL) 1386:202, 204.
1, 2, 3, 4-TETRAHYDROBENZENE, (CYCLOHEXENE) 54:330.
5, 6, 7, 8-TETRAHYDROCARBAZOLE, 1939:292.
TETRAHYDROERYTHROIDINE, 1940:292.
TETRAHYDROFURAN, 222:350.
TETRAHYDROISOQUINOLINE, 1941:292.
TETRAHYDRONAPHTHALENE, 1942:292.
1, 2, 3, 4-TETRAHYDRO-β-NAPHTHOL, (1, 2, 3, 4-TETRAHYDRO-2-NAPHTHOL) 1943:292.
1, 2, 3, 4-TETRAHYDRO-2-NAPHTHOL, 1943:292.
TETRAHYDRONAPHTHYLAMINE, 1944:292.
TETRAHYDRO-1, 4, 2H-OXAZINE, (MORPHOLINE) 1402:206.
TETRAHYDROPHENOBARBITAL, (PHANODORN) 1519:226, 228.
TETRAHYDROXYBUTANE, (ERYTHRITE) 827:128.
$\Delta^{20,22}$-3a, 12a, 14, 21-TETRAHYDROXYNORCHOLENIC ACID LACTONE, (DIGITOXIGONIN) 643:102.
TETRAIODE, (IODEIKON) 1107:168.
TETRAIODOFLUORESCEIN, SODIUM & POTASSIUM SALTS, (ERYTHROSINE) 830:128.
TETRAIODOPHENOLPHTHALEIN SODIUM, (IODEIKON) 1107:168.
TETRAIODOPHTHALEIN SODIUM, (IODEIKON) 1107:168.
TETRAISOPROPYL PRYOPHOSPHATE, 1945:292.
N, N, N', N'-TETRAKIS-(β-CHLOROETHYL)AMMONIUM CHLORIDE, 1946:294.
TETRALOL, (1, 2, 3, 4-TETRAHYDRO-2-NAPHTHOL) 1943:292.
TETRAMETHOQUIN, 1947:294.
TETRAMETHYLAMMONIUM HYDROXIDE, 1948:294.
TETRAMETHYL-DI-p-AMINOTRIPHENYLCARBINOL CHLORIDE, (MALACHITE GREEN) 1214:182.
TETRAMETHYL PYROPHOSPHATE, 1949:294.
TETRAMETHYLTHIONINE HCl, (METHYLENE BLUE) 1317:196.
TETRAMETHYLTHIURAMDISULFIDE, (ARASAN) 184:30.
TETRAMETHYLTHIURAMIDE, 1950:294.
TETRANITROMETHANE, 223:350.
TETRAPROPYLDITHIONOPHOSPHATE, 1951:294.
TETROLE, (FURAN) 132:338.
TETRONIC ACID, 1952:294.
TETROSAN, 1953:294.
TETRYL, 1954:294.
THALAZOLE, (PHTHALYLSULFATHIAZOLE) 1598:236.
THALLIUM ACETATE, 1955:294.
THALLIUM NITRATE, 1956:294.
THALLIUM SULFATE, 1957:294.
THALLOUS ACETATE, (THALLIUM ACETATE) 1955:294.
THALLOUS NITRATE,(THALLIUM NITRATE) 1956:294
THALLOUS SULFATE, (THALLIUM SULFATE) 1957:294.
THANITE, 1958:294.
THEBAINE, 1959:294.
THEINE, (CAFFEINE) 351:56.
THENFADIL, 1960:294, 296.
THENYLENE BASE, (HISTADYL BASE) 1037:158.
THENYLPYRAMINE BASE, (HISTADYL BASE) 1037:158.
THEOBROMINE, 1961:296.
THEOCIN, (THEOPHYLLINE) 1962:296.
THEOCIN SOLUBLE, (THEOPHYLLINE SODIUM ACETATE) 1963:296.
THEOPHYLLINE, 1962:296.
THEOPHYLLINE ETHYLENEDIAMINE, (AMINOPHYLLINE) 112:20.
THEOPHYLLINE MONOETHANOLAMINE,(AMINOPHYLLINE) 112:20.
THEOPHYLLINE SODIUM ACETATE, 1963:296.
THEOSPARTEINE (mono derivative), 1964:296.
THEPHORIN, 1965:296.
THIACOCCINE, (SULFATHIAZOLE) 1905:288.
THIAMINE HCl, 1966:296.
THIAMINE MONONITRATE, 1967:296.
THIAMINIUM CHLORIDE, (THIAMINE HCl) 1966:296.
THIAZIMIDE, (SULFATHIAZOLE) 1905:288.
4'-(2-THIAZOLYLSULFAMYL)PHTHALANILIC ACID, (PHTHALYLSULFATHIAZOLE) 1598:236.
p-2-THIAZOLYLSULFAMYLSUCCINANILIC ACID, (SUCCINYLSULFATHIAZOLE) 1895:286.
N^1-2-THIAZOLYLSULFANILAMIDE, (SULFATHIAZOLE) 1905:288.
THIMEROSAL, (MERTHIOLATE) 1238:186.
THIOACETAMIDE, 1968:296.
THIOAMYTAL SODIUM, 1969:296.
THIO-BISMOL, (SODIUM BISMUTH THIOGLYCOLATE) 1798:270.
THIOCARBAMIDE, (THIOUREA) 1977:298.
THIOCARBANILIDE, (DIPHENYLTHIOUREA) 778:120.
THIOCRYSIN, (SANOCHRYSINE) 1765:264.
THIOCYANOBENZOIC ACID, 1970:296, 298.
β-THIOCYANOETHYLESTER of ALIPHATIC ACIDS with 10-18 carbons, (LETHANE 60) 1195:178.
THIODIPHENYLAMINE, (PHENOTHIAZINE) 1525:228.
THIOFURAN, (THIOPHENE) 1973:298; 224:350.
THIOFURFURAN, (THIOPHENE) 1973:298; 224:350.
THIOLE, (THIOPHENE) 1973:298; 224:350.
THIOMERIN SODIUM, 1971:298.
THIOMERSALATE, (MERTHIOLATE) 1238:186.
THIOPENTAL SODIUM, (PENTOTHAL SODIUM) 1515:226.
THIOPENTEX, 1972:298.
THIOPENTONE SODIUM, (PENTOTHAL SODIUM) 1515:226.
THIOPHENE, 1973:298; 224:350.
THIOPHOS 3422, (PARATHION) 1494:222.
THIOSEMICARBAZIDE, 1974:298.
THIOSINAMINE, 1975:298.
THIOTETROLE, (THIOPHENE) 1973:298; 224:350.
THIOTHAL SODIUM,(PENTOTHAL SODIUM) 1515:226.
2-THIOURACIL, 1976:298.
THIOUREA, 1977:298.
THIOXANE, (OXATHIANE) 1482:220.
THIURAD, (ANTABUSE) 158:26.
THONZYLAMINE HCl, (NEOHETRAMINE HCl) 1422:210.
THORIUM CHLORIDE, 1978:298.
THORIUM NITRATE, 1979:298.
THORIUM SODIUM CITRATE, 1980:298.
THORIUM TETRACHLORIDE, (THORIUM CHLORIDE) 1978:298.
309-F ("THREE-O-NINE F"), (GERMANIN) 968:148.
3359 RP, (PALUDRINE HCl) 1485:220.

THUJONE, 1981:298.
THYLOQUINONE, (MENADIONE) 1228:184.
THYME CAMPHOR, (THYMOL) 1982:298, 300.
THYMOL, 1982:298, 300.
m-THYMOL, (THYMOL) 1982: 298, 300.
TIN, as (SODIUM STANNOUS TARTRATE) 1983:300.
TIN DICHLORIDE, (STANNOUS CHLORIDE) 1873:282.
TIN HYDRIDE, 225:350.
TIN TETRAIODIDE, (STANNIC IODIDE) 1872:282.
T.I.P.P.S., (IODEIKON) 1107:168.
TIRIAN HCl, (PALUDRINE HCl) 1485:220.
TNT, (TRINITROTOLUENE) 2037:306.
TOCOSINE, (TYRAMINE) 2051:308.
TOLCIL, (MYANESIN) 1407:208.
TOLOXYN, (MYANESIN) 1407:208.
3-o-TOLOXY-1, 2-PROPANEDIOL, (MYANESIN) 1407:208.
TOLSEROL, (MYANESIN) 1407:208.
TOLUENE, 1984:300; 226:350.
TOLUENEDIAMINE, 1985:300.
o-TOLUENO-AZO-β-NAPHTHOL, 1986:300.
TOLUIDINE BLUE, 1987:300.
TOLUOL, (TOLUENE) 1984:300; 226:350.
1-(o-TOLUOXY)-2, 3-BIS(2, 2, 2-TRICHLORO-1-HYDROXYETHOXY)PROPANE, 1988:300.
2-[N-p'-TOLYL-N-(m'-HYDROXYPHENYL)AMINOETHYL] IMIDAZOLINE, 1989:300.
m-TOLYLOXYACETAMIDINE HCl, 1990:300.
TOMATIN(E), 1991:300.
TOXAPHENE, 1992:300.
TRANS-TESTOSTERONE, (TESTOSTERONE) 1927:290.
TRANSVAALIN, 1993:300.
TRASENTINE, 1994:302.
TRASENTINE-A, (TRASENTINE) 1994:302.
TRASENTINE-H, (TRASENTINE) 1994:302.
TRETHYLEN, (TRICHLOROETHYLENE) 2004:302; 231:350.
TRETHYLENE, (TRICHLOROETHYLENE) 2004:302; 231:350.
TRI, (TRICHLOROETHYLENE) 2004:302; 231:350.
TRIACETIN, 1995:302.
TRIBROMOETHANOL, (AVERTIN) 200:34.
TRIBROMOMETHANE, (BROMOFORM) 298:50; 22:324.
2, 4, 6-TRIBROMOPHENOL, 1996:302.
TRIBUTYL PHOSPHATE, 1997:302; 227:350.
TRIBUTYL PHOSPHITE, 1998:302.
TRICHLOROACETALDEHYDE MONOHYDRATE, (CHLORAL HYDRATE) 392:64.
TRICHLOROACETAMIDE, 1999:302.
TRICHLOROACETIC ACID, 2000:302.
TRICHLOROACRYLYL CHLORIDE, 2001:302; 228:350.
1, 1, 1-TRICHLORO-2, 2-BIS(p-CHLOROPHENYL) ETHANE, (DDT) 523:86.
1, 1, 1-TRICHLORO-2, 2-BIS(p-FLUOROPHENYL) ETHANE, (DFDT) 538:88.
1, 1, 1-TRICHLORO-2, 2-BIS(p-METHOXYPHENYL) ETHANE, (METHOXYCHLOR) 1253:188.
1, 1, 1-TRICHLOROETHANE, 2002:302; 229:350.
1, 1, 2-TRICHLOROETHANE, 230:350.
TRICHLOROETHANOL, 2003:302.
TRICHLOROETHENE, (TRICHLOROETHYLENE) 2004:302; 231:350.
TRICHLOROETHYL ALCOHOL, (TRICHLOROETHANOL) 2003:302.
TRICHLOROETHYLENE, 2004:302; 231:350.
TRI-(2-CHLOROETHYL)PHOSPHATE, 2005:302.
TRICHLOROFLUOROMETHANE, 232:352.
1, 1, 1-TRICHLOROISOPROPYL ALCOHOL, (ISOPRAL) 1136:170.
TRICHLOROMETHANE, (CHLOROFORM) 413:68; 42:328.
2-(TRICHLOROMETHYL)-4-CHLOROMETHYL-1, 3, 3-DIOXOLANE, 2006:302.
2-(TRICHLOROMETHYL)-1, 3-DIOXOLANE-4-CARBINOL ACID SUCCINATE ESTER, 2007:302.
N-TRICHLOROMETHYLMERCAPTO-4-CYCLOHEXENE-1, 2-DICARBOXIMIDE, (CAPTAN) 362:58.
2-(TRICHLOROMETHYL)-4-METHYL-1, 3-DIOXOLANE 2008:302.
1, 1, 1-TRICHLORO-2-METHYL-2-PROPANOL, (CHLORETONE) 398:66.
TRICHLORONITROMETHANE, (CHLOROPICRIN) 424:68; 44:328.
2, 4, 6-TRICHLOROPHENOL, 2009:302.
(2, 4, 5-TRICHLOROPHENOXY)ACETIC ACID, (2, 4, 5-T) 1912:290.
1, 1, 2-TRICHLOROPROPANE, 2010:302.
1, 2, 3-TRICHLOROPROPANE, 233:352.
TRICHLOROSILANE, 2011:302; 234:352.
a, a, a-TRICHLOROTOLUENE, (BENZOTRICHLORIDE) 249:44.
TRI-CLENE, (TRICHLOROETHYLENE) 2004:302; 231:350.
TRI-o-CRESYL PHOSPHATE, 2012:302, 304.
TRIDIONE, 2013:304.
TRIDIURECAINE HCl, 2014:304.
TRIELENE, (TRICHLOROETHYLENE) 2004:302; 231:350.
TRIETHANOLAMINE, 2015:304.
TRIETHOXYMETHANE, 2016:304; 235:352.
1, 3, 3-TRIETHOXYPROPANE, 2017:304.
1, 2, 3-TRIETHOXY-1-PROPENE, 2018:304.
TRIETHYLAMINE, 2019:304; 236:352.
TRIETHYLENE GLYCOL, 2020:304.
TRIETHYLENEMELAMINE, 2021:304.
TRIETHYLENETETRAMINE, 2022:304.
TRIETHYLHEXYL PHOSPHATE, 2023:304.
TRIETHYL LEAD CHLORIDE, 2024:304.
TRIETHYLOLAMINE, (TRIETHANOLAMINE) 2015:304.
TRIETHYLORTHOFORMATE, (TRIETHOXYMETHANE) 2016:304; 235:352.
TRIGENOLLINE, (TRIGONELLINE) 2025:304.
TRIGONELLINE, 2025:304.
1, 2, 3-TRIHYDROXYBENZENE, (PYROGALLOL) 1696:254.
1, 3, 5-TRIHYDROXYBENZENE, (PHLOROGLUCINOL) 1594:236.
3, 4, 5-TRIHYDROXYBENZOIC ACID, (GALLIC ACID) 961:148.
3, 7, 12-TRIHYDROXYCHOLANIC ACID, (CHOLIC ACID) 433:70.
TRIHYDROXYPROPANE, (GLYCEROL), 980:150.
TRIHYDROXYTRIETHYLAMINE, (TRIETHANOLAMINE) 2015:304.
TRIIODOMETHANE, (IODOFORM) 1113:168.
2, 4, 6-TRIIODOPHENOL, 2026:304.
TRILENE, (TRICHLOROETHYLENE) 2004:302; 231:350.
TRILINE, (TRICHLOROETHYLENE) 2004:302; 231:350.
TRIMERESURUS ANAMALLENSIS, (SNAKE VENOM) 1790:268.
TRIMERESURUS FLEUROVIRIDIS, (SNAKE VENOM) 1790:268.
3, 4, 5-TRIMETHOXYPHENETHYLAMINE, 2027:304.
TRIMETHYLAMINE, 2028:306.
γ-TRIMETHYLAMMONIUM PROPANEDIOL ETHYLAL, 2029:306.
1, 2, 4-TRIMETHYLBENZENE, 2030:306.
1, 7, 7-TRIMETHYLBICYCLO[2. 2. 1] -2-HEPTANONE, (CAMPHOR) 359:58.
TRIMETHYL BISMUTH, 2031:306.
TRIMETHYLCARBINOL, (BUTYL ALCOHOL (tertiary)) 319:52.

TRIMETHYLENE GLYCOL, 2032:306.
TRIMETHYLETHYLENE, (AMYLENE) 13:324.
TRIMETHYLNONANONE, 2033:306.
3, 5, 5-TRIMETHYLOXOAZOLIDINE-2, 4-DIONE, (TRIDIONE) 2013:304.
N-α, α-TRIMETHYLPHENETHYLAMINE, (MEPHENTERMINE) 1232:184.
TRIMETHYL PHOSPHATE, 2034:306.
TRIMETHYLSTIBINE, 2035:306.
TRIMETHYLVINYLAMMONIUM HYDROXIDE, (NEURINE) 1429:212.
1, 3, 7-TRIMETHYLXANTHINE, (CAFFEINE) 351:56.
TRIMETON, 2036:306.
TRINITRIN, (NITROGLYCEROL) 1446:214.
TRINITROGLYCEROL, (NITROGLYCEROL) 1446:214.
2, 4, 6-TRINITROPHENOL, (PICRIC ACID) 1606:236.
TRINITROPHENYLMETHYLNITRAMINE, (TETRYL) 1954:294.
TRINITROTOLUENE, 2037:306.
TRIPELLENAMINE, (PYRIBENZAMINE) 1691:252.
TRIPHENYLGUANIDINE, 2038:306.
TRIPHENYLPHOSPHATE, (EFED) 800:122.
TRIPOTON, (TRIMETON) 2036:306.
TRIPROPYLENE GLYCOL METHYL ETHER, 2039:306.
TRIS(β-CHLOROETHYL)AMINE, 2040:306.
2, 4, 6-TRIS(DIMETHYLAMINO)-S-TRIAZINE, 2041:306.
2, 4, 6-TRIS(ETHYLENEIMINO)-S-TRIAZINE, 2042:308.
TRITIUM OXIDE, 2043:308.
TRI-(TRIETHYL-β-ETHOXYAMMONIUM)-1, 2, 3-BENZENETRIIODIDE, (FLAXEDIL) 934:142.
TROMEXAN, 2044:308.
TROPACOCAINE, 2045:308.
TROPAEOLIN G, (VICTORIA YELLOW) 2082:312.
DL-TROPYL TROPATE, (ATROPINE) 194:32, 34.
TRYPAFLAVINE, (ACRIFLAVINE) 53:12.
TRYPAN BLUE, 2046:308.
TRYPARSAMIDE, 2047:308.
TRYPARSONE, (TRYPARSAMIDE) 2047:308.
TRYPONARSYL, (TRYPARSAMIDE) 2047:308.
TRYPOTHANE, (TRYPARSAMIDE) 2047:308.
TRYPOXYL, (ATOXYL) 193:32.
TRYPTAMINE-STROPHANTHIDIN, 2048:308.
TTD, (ANTABUSE) 158:26.
TUBAROOT, (DERRIS ROOT) 532:88.
D-TUBOCURARINE, 2049:308.
TUTOCAINE HCl, 2050:308.
TYRAMINE, 2051:308.
TYROCIDINE, 2052:310.
TYROSAMINE, (TYRAMINE) 2051:308.
TYROTHRICIN, 2053:310.

ULERON, (ULIRON) 2054:310.
ULEXINE NITRATE (CYTISINE NITRATE) 520:84.
ULIRON, 2054:310.
10-UNDECENOIC ACID, (UNDECYLENIC ACID) 2055:310.
UNDECYLENIC ACID, 2055:310.
9-UNDECYLENIC ACID, (UNDECYLENIC ACID) 2055:310.
UNIDIGIN, (DIGITOXIN) 644:102, 104.
URANIUM NITRATE, (URANYL NITRATE) 2058:310.
URANIUM TETRACHLORIDE, 2056:310.
URANYL FLUORIDE, 2057:310.
URANYL NITRATE, 2058:310.
UREA, 2059:310.
3-UREA-9-METHYLCARBAZOLE, 2060:310.
UREA STIBAMINE, 2061:310.
UREA STIBENAMINE, (UREA STIBAMINE) 2061:310.
1-UREA-5, 6, 7, 8-TETRAHYDROCARBAZOLE, 2062:310.
3-UREA-5, 6, 7, 8-TETRAHYDROCARBAZOLE, 2063:310.
URECHITOXIN, 2064:310.
p-UREIDOBENZENEARSONIC ACID, (CARBARSONE) 364:58.
4-UREIDO-1-PHENYLARSONIC ACID, (CARBARSONE) 364:58.
URETHAN, 2065:310.
URETHANE, (URETHAN) 2065:310.
UREZIN, 2066:312.
URIODONE, (DIODRAST) 766:118.
UROSELECTAN, (IOPAX) 1116:168.
URSOL D, (p-PHENYLENEDIAMINE) 1558:232.
URSOL P, (p-AMINOPHENOL) 110:20.
UTERAMINE, (TYRAMINE) 2051:308.

γ-VALEROLACTONE, 2067:312.
α-i-VALERYLOXYPROPIONYL-K-STROPHANTHIDIN, 2068:312.
i-VALERYL-K-STROPHANTHIDIN, 2069:312.
n-VALERYL-K-STROPHANTHIDIN, 2070:312.
VANADIC ANHYDRIDE, (VANADIUM PENTOXIDE) 2071:312.
VANADIUM PENTOXIDE, 2071:312.
VANADIUM TRIBROMIDE, 2072:312.
VANADIUM TRICHLORIDE, 2073:312.
VAN DYKE 264, 2074:312.
VANILLAL, (ETHYL VANILLIN) 917:138.
VANILLIC ALDEHYDE, (VANILLIN) 2075:312.
VANILLIN, 2075:312.
VANIROME, (ETHYL VANILLIN) 917:138.
VELSICOL 1068, (CHLORDAN(E)) 396:64, 66.
VENENIFERIN, 2076:312.
VERATRIDINE, 2077:312.
VERATRINE, 2078:312.
VERATRONE, 2079:312.
VERATRUM ALBUM, alkaloid from, (GERMERINE) 970:148.
VERILOID, 2080:312.
VERITOL, 2081:312.
VERONAL, (BARBITAL) 214:36.
VICTORIA GREEN B, (MALACHITE GREEN) 1214:182.
VICTORIA YELLOW, 2082:312.
VIDEOPHEL, (IODEIKON) 1107:168.
VIDINE, (CHOLINE) 434:70.
VIENNA GREEN, (PARIS GREEN) 1495:222.
VINEGAR NAPHTHA, (ETHYL ACETATE) 848:130; 108:336.
VINESTHINE, (VINYL ETHER) 240:352.
VINETHENE, (VINYL ETHER) 240:352.
VINYL ACETATE, 2083:312; 237:352.
VINYLBENZENE, (STYRENE) 214:348.
VINYL BUTYL ETHER, 2084:312.
VINYL BUTYRATE, 2085:312; 238:352.
VINYL CARBINOL, (ALLYL ALCOHOL) 70:14; 9:322.
VINYL-β-BIS(β-CHLOROETHYL)AMINOETHYLSULFONE, 2086:312.
VINYL CHLORIDE, 239:352.
VINYL CYANIDE, (ACRYLONITRILE) 56:12; 7:322.
VINYL ETHER, 240:352.
VINYLETHYLENE, (1, 3-BUTADIENE) 23:324.
VINYL FLUORIDE, (FLUOROETHYLENE) 130:338.
VINYLFORMIC ACID, (ACRYLIC ACID) 55:12.
VINYLIDENE FLUORIDE, (1, 1-DIFLUOROETHYLENE) 86:332.
VINYL TRICHLORIDE,(1, 1, 2-TRICHLOROETHANE)230:350.
VIOFORM, 2087:314.
VIOLAQUERCETIN, (RUTIN) 1746:262.
VISAMMIN, 2088:314.

VISCOTOXIN, 2089:314.
VISMAGEN, (VISAMMIN) 2088:314.
VITAMIN B_1 HCl, (THIAMINE HCl) 1966:296.
VITAMIN B_1 MONONITRATE,(THIAMINE MONONITRATE) 1967:296.
VITAMIN B_6, (PYRIDOXINE) 1694:252.
VITAMIN B_{12}, 2090:314.
VITAMIN D_2, 2091:314.
VITAMIN K, 2092:314.
VITARUBIN, (VITAMIN B_{12}) 2090:314.
VULPINIC ACID, 2093:314.
VUZIN, 2094:314.
VUZINE, (VUZIN) 2094:314.

W-53, (HISTADYL BASE) 1037:158.
WARFARIN, 2095:314.
WARF COMPOUND 42, (WARFARIN) 2095:314.
WESTROSOL, (TRICHLOROETHYLENE) 2004:302; 231:350.
WIN-2848, (THENFADIL) 1960:294, 296.
WINTERGREEN, natural or synthetic oil of, (METHYL SALICYLATE), 1375:202.
WOOD ALCOHOL; (METHANOL) 1247:188; 162:342.
WYAMINE, (MEPHENTERMINE) 1232:184.

XYLENE, commercial mixture of m-, o-, and p-XYLENE 2096,2097,2098:314;241, 242:352;243:350.
m-XYLENE, 2096:314; 241:352.
o-XYLENE, 2097:314; 242:352.
p-XYLENE, 2098:314; 243:352.
XYLENOL, 2099:314.
XYLIDINE, 2100:314.
XYLOCAINE, 2101:314.
XYLOL, (XYLENE) 2096, 2097, 2098: 314; 241, 242, 243:352.
XYSMALORIN, 2102:314.

YAGEINE, (HARMINE) 993:152, 154.
YATREN, (CHINIOFON) 390:64.
YELLOW CROSS LIQUID, (MUSTARD GAS) 1406:206, 208; 186:344.
YOHIMBINE, 2103:314, 316.
YPERITE, (MUSTARD GAS) 1406:206, 208; 186:344.
YTTRIA, (YTTRIUM OXIDE) 2106:316.
YTTRIUM CHLORIDE, 2104:316.
YTTRIUM NITRATE, 2105:316.
YTTRIUM OXIDE, 2106:316.

ZEPHIRAN CHLORIDE, 2107:316.
ZEPHIROL, (ZEPHIRAN CHLORIDE) 2107:316.
ZERLATE, (ZIRAM) 2114:316.
ZIMATE, (ZIRAM) 2114:316.
ZINC ACETATE, 2108:316.
ZINC CHLORIDE, 2109:316.
ZINC DIETHYLDITHIOCARBAMATE, 2110:316.
ZINC DIMETHYLDITHIOCARBAMATE, (ZIRAM) 2114:316.
ZINC ETHYLENE-BIS-DITHIOCARBAMATE, 2111:316.
ZINC ETHYLENE-BIS-THIOCARBAMATE, (DITHANE Z 78) 788:120.
ZINC PHOSPHIDE, 2112:316.
ZINC SULFATE, 2113:316.
ZIRAM, 2114:316.
ZIRCONIUM OXYCHLORIDE, (ZIRCONYL CHLORIDE) 2116:316.
ZIRCONYL ACETATE, 2115:316.
ZIRCONYL CHLORIDE, 2116:316.
ZIRCONYL NITRATE, 2117:316.
ZIRCONYL SODIUM CITRATE, 2118:318.
ZIRCONYL SODIUM GLUCONATE, 2119:318.
ZIRCONYL SULFATE, 2120:318.

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